

COMPANY PROFILE

An Hui Exact Instrument Co., Ltd. is an international instrument manufacturer located in the national high–tech development zone of Ma Anshan City, Anhui Province, adjacent to Nanjing, Jiangsu Province. Founded in 2003, our company covers an area of 12,000 square meters and boasts advanced production, testing, and inspection equipment, as well as a professional management and technical team comprising over 200 employees. We operate 8 production lines with a designed daily output of 20,000 instruments. With diversified products, quality services, and extensive sales channels, we become one of China’ s major manufacturers and exporters of instruments and meters.

Our company specializes in the design, production, and sale of instruments, instrument tubes, valves, and other related products. Our leading products include various special pressure gauges such as ordinary pressure gauges, shock–resistant pressure gauges, all–stainless steel shock–resistant gauges, refrigerant pressure gauges, test pressure gauges, diaphragm pressure gauges, digital pressure gauges, bimetal thermometers, diaphragm pressure gauges, membrane pressure gauges, differential pressure gauges, and more. Our supporting products include various instrument fittings, valves, pressure switches, pressure transmitters, thermocouples, resistance thermometers, and chemical sealing series. Our products are widely used in industries and fields such as petroleum, chemical, environmental protection, medical, metallurgy, electric power, energy, manufacturing, and food processing. To meet market demands, we are committed to research and develop new products.

In 2005, our company obtained ISO9001 management system certification. To meet various customer needs, we can provide users with products according to different standards, such as Chinese GB, Japanese JIS standards, European DN standards, American ANSI standards, and more. We also provide high–quality, low–cost OEM pressure gauges, thermometers, and accessories for many customers. With the principles of “quality products, reasonable prices, and satisfactory services,” our company’ s international sales market continues to expand, with products exported to countries and regions such as the United States, Canada, Spain, the United Kingdom, Europe, South America, the Middle East, and Southeast Asia.


Certificate of Registration
An Hui Exact Instrument Co., Ltd.
Quality Management System
ISO 9001:2015

Since its establishment, our company has always adhered to the corporate spirit of “continuous innovation, diligence rewarded by heaven” and the sales philosophy that “win–win is the goal and service is the foundation.” Following the work policy of “improving technology, focusing on quality, strengthening sales, and reducing consumption and increasing efficiency,” all our employees are ready to provide customers with higher quality products and dedicated services.


Certificate of Compliance

We sincerely welcome domestic and foreign customers to visit and guide us.

EXACT INSTRUMENT WILL BUILD A CENTURY OLD GLOBAL BRAND

WORKSHOP
SHOW

YGAUGES INSTRUMENT WILL BUILD A CENTURY OLD GLOBAL BRAND











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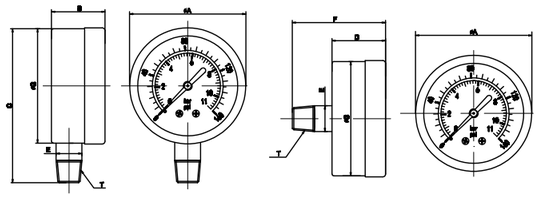
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Features

- Nominal size: 1.5” (40mm), 2.0” (50mm), 2.5” (63mm), 3” (80mm), 4” (100mm), 6” (150mm), 8” (200mm);
- Case: Black steel,chrome steel,optional;
- Bezel: Black steel,chrome steel;
- Thread: 1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic or glass;
- Accuracy class: ±2.5%, ±1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value;
  Fluctuating: 2/3 x full scale value;
  Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ;
  Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4 %/10 K of the span.

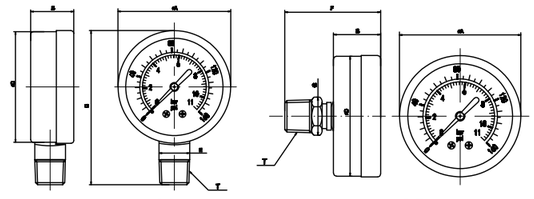


Installation Data



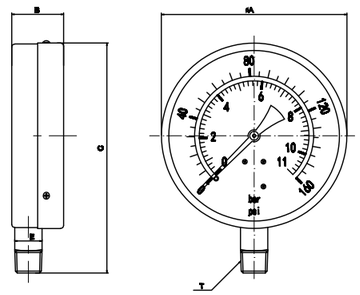
111AL 111AB

mm / size	A	B	C	D	E	F	G	T
40	42.0	23.0	58.5	26.5	11.0	41.5	40.5	1/8"
50	52.5	29.0	72.0	29.0	14.0	48.0	51.0	1/4"
63	63.0	29.0	83.0	29.0	14.0	48.0	62.0	1/4"
100	100.0	36.0	129.5	36.0	22.0	71.0	98.5	1/2"



111AL 111AB

mm / size	A	B	C	D	E	F	G	T
80	81.5	31.5	111.0	80.0	22.0	64.5	Hex22.0	1/2"



111AL

mm / size	A	B	C	D	E	F	G	T
150	150.0	42.0	186.0	/	22.0	/	/	1/2"
200	218.5	48.0	251.0	/	22.0	/	/	1/2"

111A Series Pressure Gauge

MODEL NUMBER

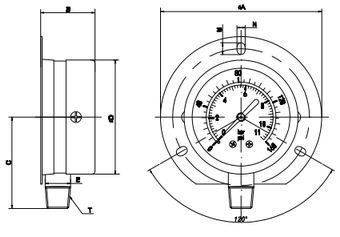
Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
111AL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL	80	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL	150	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL	200	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB	80	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

Features

- Nominal size: 1.5” (40mm), 2.0” (50mm), 2.5” (63mm), 4” (100mm);
- Case: Black steel,chrome steel,optional;
- Bezel: Black steel,chrome steel;
- Thread:1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic or glass;
- Accuracy class: ±2.5%, ±1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value;
  Fluctuating: 2/3 x full scale value;
  Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4 %/10 K of the span.



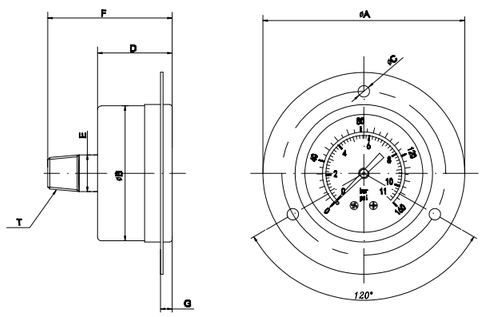
Installation Data



111AL–F

mm / size	A	B	C	D	E	M	N	T
63	89.0	31.0	50.5	63.0	14.0	6.5	4.5	1/4"
100	131.0	37.0	74.5	100.0	22.0	6.5	4.5	1/2"

111A Series Pressure Gauge

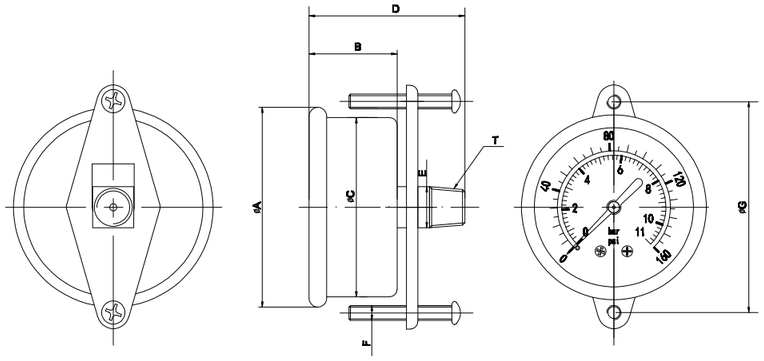


111AB–F

mm / size	A	B	C	D	E	F	G	T
40	60.5	40.5	3.4	26.0	11.0	41.0	4.0	1/8"
50	77.0	51.5	4.5	28.5	14.0	47.5	4.5	1/4"
63	89.0	61.0	4.5	28.5	14.0	47.5	4.5	1/4"
100	132.0	98.5	6.0	36.5	Hex22.0	71.0	5.0	1/2"

MODEL NUMBER

111AL–F	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AL–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB–F	40	1/8,1/4",BSP,NPT,BSPT or customized	back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB–F	50	1/8,1/4",BSP,NPT,BSPT or customized	back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB–F	63	1/8,1/4",BSP,NPT,BSPT or customized	back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB–F	100	1/8,1/4",BSP,NPT,BSPT or customized	back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar



111AB–U

mm / size	A	B	C	D	E	F	G	T
40	47.0	28.0	40.5	47.0	11.0	M5	49.5	1/8"
50	57.5	31.0	51.5	56.0	14.0	M5	60.5	1/4"
63	68.0	31.0	62.0	56.0	14.0	M5	71.0	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
111AB–U	40	1/8,1/4",BSP,NPT,BSPT or customized	back with U–clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB–U	50	1/8,1/4",BSP,NPT,BSPT or customized	back with U–clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111AB–U	63	1/8,1/4",BSP,NPT,BSPT or customized	back with U–clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

111B Series Pressure Gauge

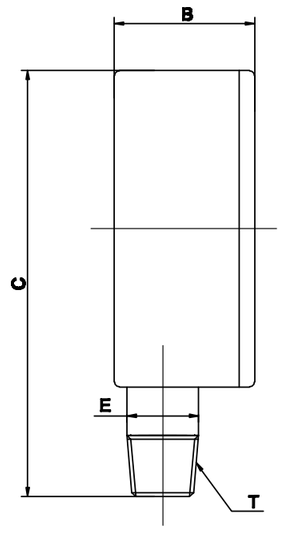
Features

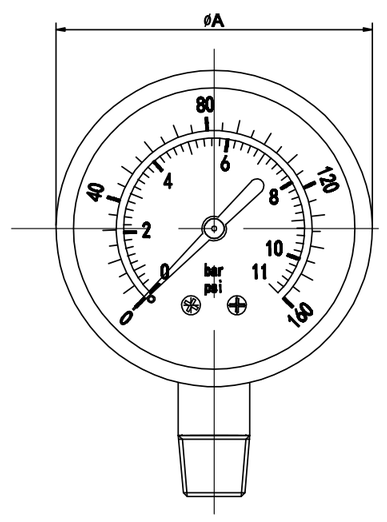
- Nominal size: 1.5" (40mm), 2.0" (50mm), 2.5" (63mm), 4" (100mm);
- Case: Black steel,chrome steel,Plastic,optional;
- Bezel: No bezel;
- Thread:1/8" ,1/4" ,3/8" ,1/2" ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Snap in Plastic, red–pointer on window optional ;
- Accuracy class: ± 2.5%, ± 1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4 %/10 K of the span.



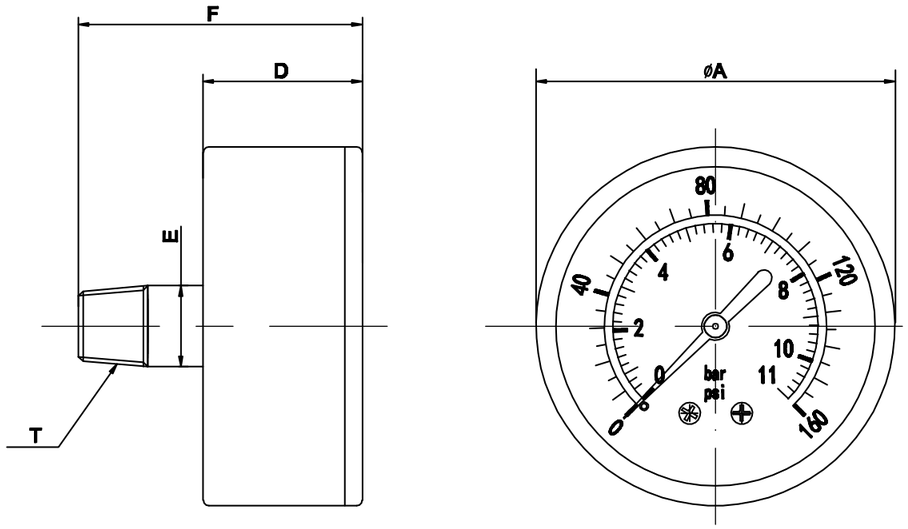


Installation Data





111BL



111BB

size \ mm	A	B	C	D	E	F	T
40	41.0	22.0	57.5	24.0	11.0	39.0	1/8"
50	51.0	27.0	72.0	27.5	14.0	46.5	1/4"
63	62.0	27.5	83.0	26.5	14.0	45.5	1/4"
100	99.0	35.5	129.0	35.5	22.0	70.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
111BL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

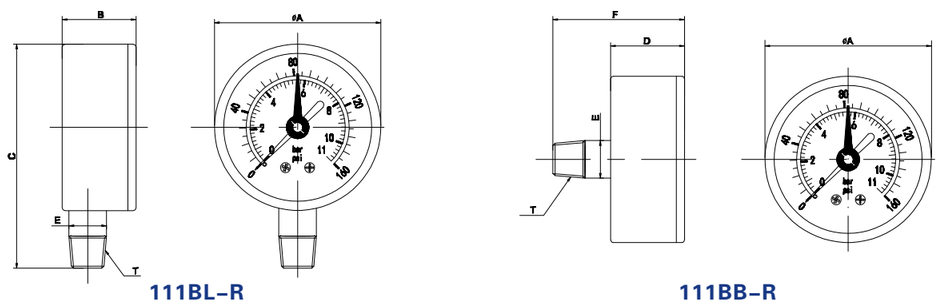
111B Series Pressure Gauge

Features

- Nominal size: 1.5" (40mm), 2.0" (50mm), 2.5" (63mm), 4" (100mm);
- Case: Black steel,chrome steel,Plastic,optional;
- Bezel: No bezel;
- Thread:1/8" ,1/4" ,3/8" ,1/2" ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Snap in Plastic, red–pointer on window optional ;
- Accuracy class: ±2.5%, ±1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4 %/10 K of the span.



Installation Data



111BL–R 111BB–R

size \ mm	A	B	C	D	E	F	T
40	41.0	22.0	57.5	24.0	11.0	39.0	1/8"
50	51.0	27.0	72.0	27.5	14.0	46.5	1/4"
63	62.0	27.5	83.0	26.5	14.0	45.5	1/4"
100	99.0	35.5	129.0	35.5	22.0	70.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
111BL–R	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BL–R	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BL–R	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BL–R	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB–R	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB–R	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB–R	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
111BB–R	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

111R Series Pressure Gauge
111S Series Pressure Gauge

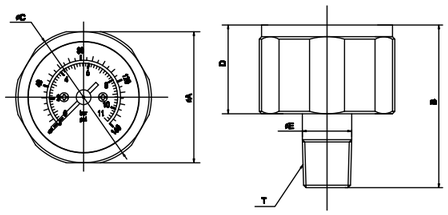
Features

- Nominal size: 1” (25mm);
- Case: brass chromed/nickel plated;
- Bezel: no bezel;
- Thread: 1/8” NPT or optional;
- Process connection: brass chromed/nickel plated;
- Mount type: back mount;
- Pressure element:copper alloy;
- Movement:copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Plastic or Aluminum, Black or white;
- Window: Plastic;
- Accuracy class: ±2.5%;
- Scale ranges: vacuum to 0 to 40bar.



111R

Installation Data



size \ mm	A	B	C	D	E	T
25	27.0	34.0	28.0	18.5	10.0	1/8"

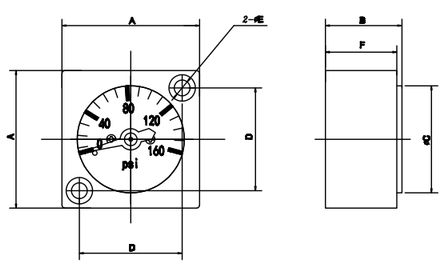
Features

- Nominal size: 1” (25mm),square;
- Case: plastic;
- Bezel: no bezel;
- Mount type: back mount;
- Pressure element: copper alloy;
- Movement: copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic;
- Accuracy class: ± 2.5%;
- Scale ranges: vacuum to 0 to 40bar.



111S

Installation Data



size \ mm	A	B	C	D	E	F
25	27.0	16.0	21.0	20.0	3.5	14.0

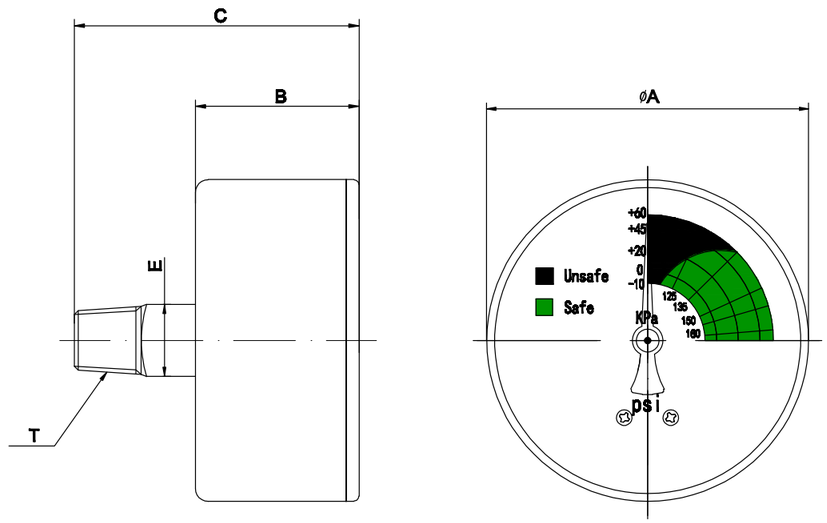
111SF6 Series Pressure Gauge

Features

- Nominal size: 2.5” (63mm);
- Case: Black steel,Plastic,or stainless steel;
- Bezel: no bezel;
- Thread:1/8” ,1/4” BSPT or optional;
- Process connection: stainless steel;
- Mount type: back mount;
- Pressure element: stainless steel;
- Movement: stainless steel;
- Dial:Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic;
- Accuracy class: ± 2.5%, ± 1.6%;
- Scale ranges: –100–160kpa.



Installation Data



111SF6

size \ mm	A	B	C	E	T
63	62.5	32.0	55.0	14.0	1/4"

112A Series Pressure Gauge

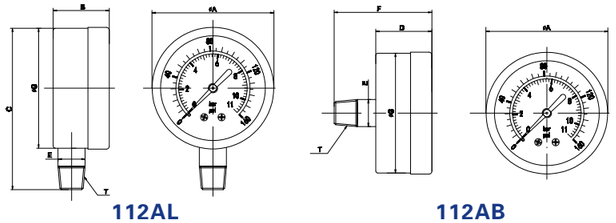
Features

- Nominal size: 1.5” (40mm), 2.0” (50mm), 2.5” (63mm), 4” (100mm);
- Case: stainless steel;
- Bezel: stainless steel;
- Thread:1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial:Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic or glass;
- Accuracy class: ± 2.5%, ± 1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.





Installation Data



112AL 112AB

mm / size	A	B	C	D	E	F	G	T
40	42.0	23.0	58.5	26.5	11.0	41.5	40.5	1/8"
50	52.5	29.0	72.0	29.0	14.0	48.0	51.0	1/4"
63	63.0	29.0	83.0	29.0	14.0	48.0	62.0	1/4"
100	100.0	36.0	129.5	36.0	22.0	71.0	98.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
112AL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112AB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

112B Series Pressure Gauge

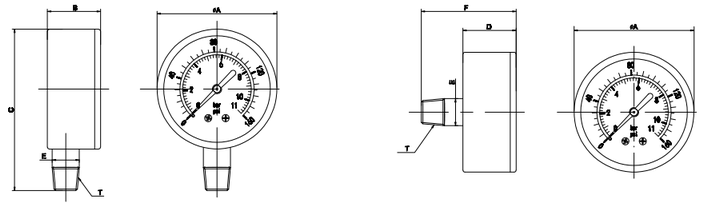
Features

- Nominal size: 1.5” (40mm), 2.0” (50mm), 2.5” (63mm), 4” (100mm);
- Case: Stainless steel;
- Bezel: No bezel;
- Thread: 1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element:Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Snap in plastic, red pointer on window optional ;
- Accuracy class: ± 2.5%, ± 1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4 %/10 K of the span.





Installation Data



112BL 112BB

mm / size	A	B	C	D	E	F	T
40	41.0	22.0	57.5	24.0	11.0	39.0	1/8"
50	51.0	27.0	72.0	27.5	14.0	46.5	1/4"
63	62.0	27.5	83.0	26.5	14.0	45.5	1/4"
100	99.0	35.5	129.0	35.5	22.0	70.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
112BL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
112BB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

113A Series Pressure Gauge

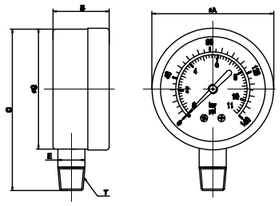
Features

- Nominal size: 1.5” (40mm), 2.0” (50mm), 2.5” (63mm), 4” (100mm);
- Case: stainless steel;
- Bezel: stainless steel;
- Thread:1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window:Plastic or glass;
- Accuracy class: ± 2.5%, ± 1.6%;
- Scale ranges: Vacuum to 1000bar(15000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

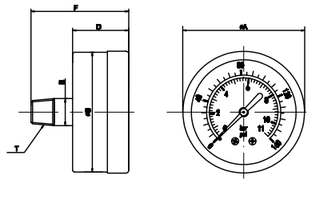




Installation Data



113AL



113AB

mm / size	A	B	C	D	E	F	G	T
40	42.0	23.0	58.5	26.5	11.0	41.5	40.5	1/8"
50	52.5	29.0	72.0	29.0	14.0	48.0	51.0	1/4"
63	63.0	29.0	83.0	29.0	14.0	48.0	62.0	1/4"
100	100.0	36.0	129.5	36.0	22.0	71.0	98.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
113AL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113AB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

113B Series Pressure Gauge

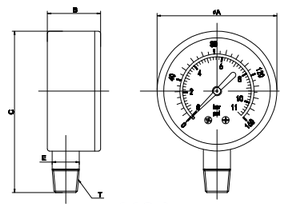
Features

- Nominal size: 1.5” (40mm), 2.0” (50mm), 2.5” (63mm), 4” (100mm);
- Case: Stainless steel;
- Bezel: No bezel;
- Thread: 1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Snap in plastic, red pointer on window optional ;
- Accuracy class: ± 2.5%, ± 1.6%;
- Scale ranges: Vacuum to 1000bar(15000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

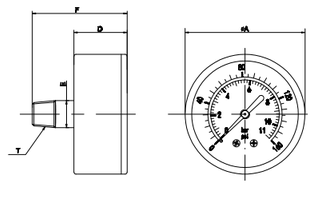




Installation Data



113BL



113BB

mm / size	A	B	C	D	E	F	T
40	41.0	22.0	57.5	24.0	11.0	39.0	1/8"
50	51.0	27.0	72.0	27.5	14.0	46.5	1/4"
63	62.0	27.5	83.0	26.5	14.0	45.5	1/4"
100	99.0	35.5	129.0	35.5	22.0	70.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
113BL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
113BB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

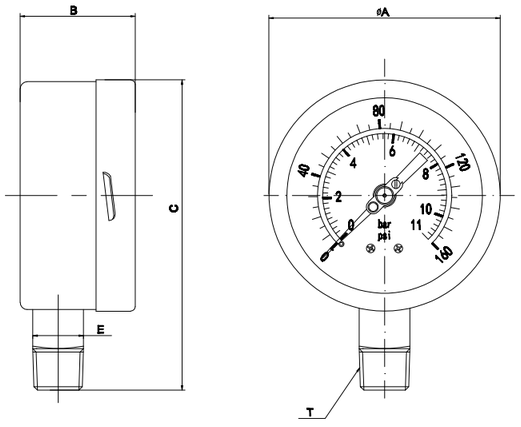
114A Series Pressure Gauge

Features



- Nominal size: 4” (100mm),6” (160mm);
- Case: Black steel,optional;
- Bezel: Black steel;
- Thread: 1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial:Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Glass;
- Accuracy class: ±1.0%, ±1.6%;
- Scale ranges: Vacuum to 400bar(6000psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

Installation Data



114AL

size \ mm	A	B	C	E	T
100	101.0	49.5	134.5	22.0	1/2"
160	161.0	50.0	195.5	22.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
114AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
114AL	160	3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

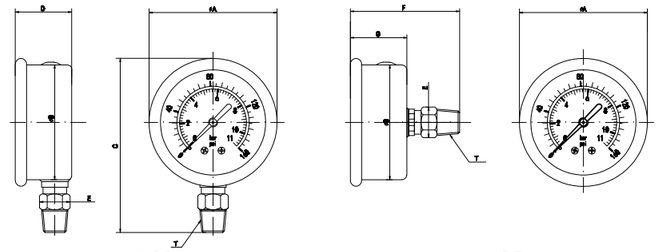
115A Series Pressure Gauge

Features

- Nominal size: 1.5” (40mm),2.0” (50mm),2.5” (63mm),3” (75mm),4.0” (100mm);
- Case: polished or matte stainless steel;
- Ring: Crimpled type ,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum.



Installation Data



115AL 115AB

size \ mm	A	B	C	D	E	F	G	T
40	47.0	41.0	66.0	26.0	Hex11.0	50.0	27.0	1/8"
50	57.5	51.5	81.0	30.0	Hex14.0	58.5	30.0	1/8"
63	68.0	61.5	91.5	30.0	Hex14.0	58.5	30.0	1/4"
75	82.0	74.5	111.5	32.0	Hex17.0	64.5	30.0	3/8"
100	108.5	99.0	137.0	36.0	Hex22.0	69.0	36.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115AL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AL	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

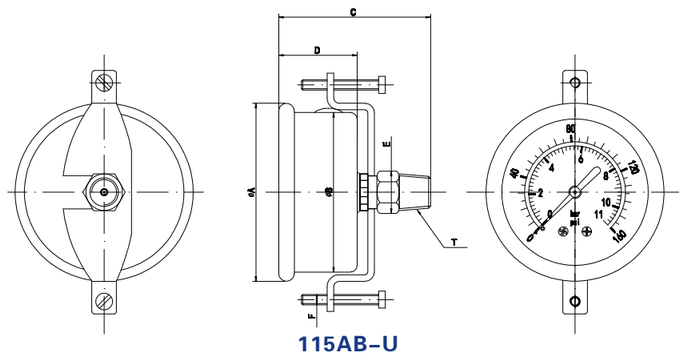
115AB–U Series Pressure Gauge

Features

- Nominal size: 1.5” (40mm),2.0” (50mm),2.5” (63mm),4.0” (100mm);
- Case: polished or matte stainless steel, with U–Clamp;
- Ring: Crimpled type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.



Installation Data



115AB–U

size \ mm	A	B	C	D	E	F	T
40	47.0	41.0	50.0	27.0	Hex11.0	M4	1/8"
50	57.5	51.5	58.0	30.0	Hex14.0	M4	1/4"
63	68.0	61.5	58.5	30.0	Hex14.0	M4	1/4"
100	108.5	99.0	69.5	35.5	Hex22.0	M5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115AB–U	40	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–U	50	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–U	63	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–U	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

115A–F Series Pressure Gauge

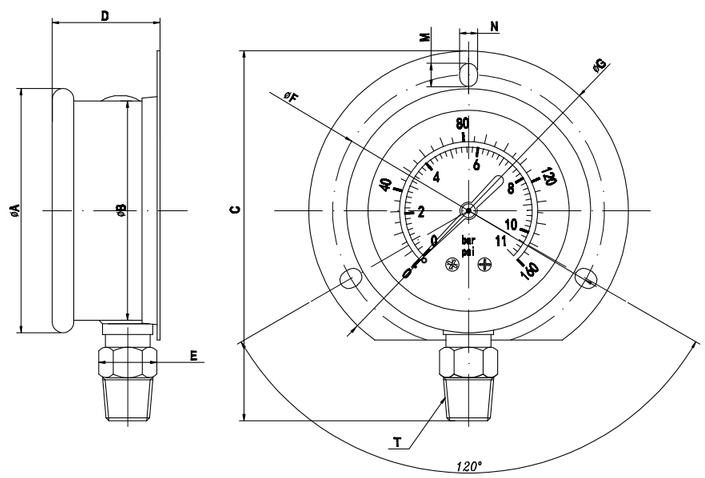
Features

- Nominal size: 1.5” (40mm),2.0” (50mm),2.5” (63mm),3” (75mm),4.0” (100mm);
- Case: polished or matte stainless steel, with back or front flange;
- Ring: Crimped type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Poly–carbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.





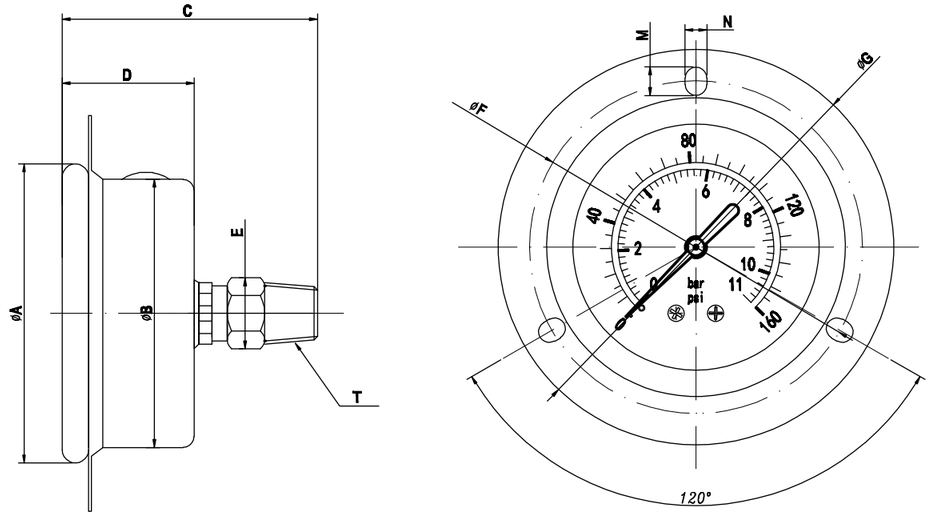
Installation Data



115AL–F

size \ mm	A	B	C	D	E	F	G	M	N	T
63	68.0	62.0	102.0	30.0	Hex14.0	75.5	89.0	6.5	4.5	1/4"
75	82.0	74.5	122.0	31.5	Hex17.0	89.5	104.0	6.5	4.5	3/8"
100	108.5	99.0	148.5	35.5	Hex22.0	118.0	132.0	7.5	5.0	1/2"

115A–F Series Pressure Gauge



115AB–F

mm / size	A	B	C	D	E	F	G	M	N	T
40	47.0	41.0	50.0	27.0	Hex11.0	53.0	64.0	3.4	3.4	1/8"
50	57.5	51.5	58.0	30.0	Hex14.0	64.5	72.5	5.4	3.9	1/4"
63	68.0	61.5	58.5	30.0	Hex14.0	75.5	89.0	6.5	4.5	1/4"
75	82.0	74.5	64.5	30.0	Hex17.0	89.5	104.0	6.5	4.5	3/8"
100	108.5	99.0	69.5	35.5	Hex22.0	117.0	132.0	7.7	5.2	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115AL–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AL–F	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AL–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–F	40	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–F	50	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–F	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115AB–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

115B Series Pressure Gauge

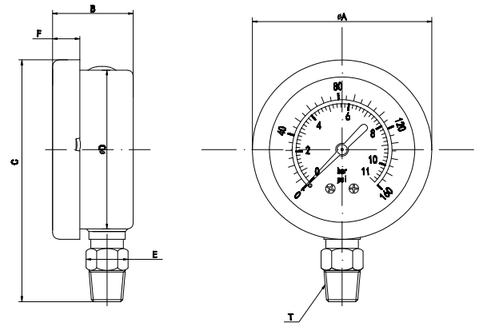
Features

- Nominal size:2.5" (63mm),4.0" (100mm);
- Case: polished or matte stainless steel;
- Ring: Bayonet type,Stainless steel;
- Process connection: 1/8" ,1/4" ,3/8" ,1/2" optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.



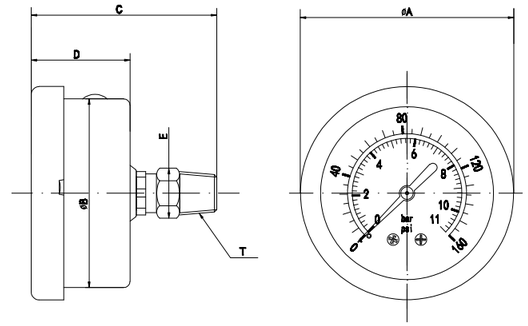


Installation Data



115BL

mm / size	A	B	C	D	E	F	T
63	69.0	31.0	92.0	61.5	Hex14.0	10.5	1/4"
100	111.0	39.0	141.0	99.0	Hex22.0	14.5	1/2"



115BB

mm / size	A	B	C	D	E	T
63	69.0	61.5	59.0	31.0	Hex14.0	1/4"
100	111.0	99.0	72.0	38.5	Hex22.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115BL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

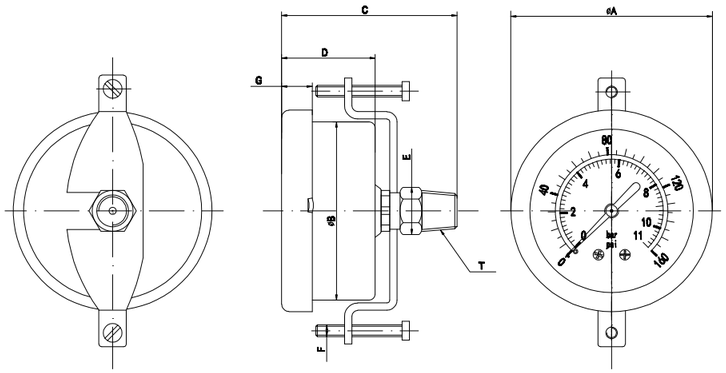
115BB–U Series Pressure Gauge

Features

- Nominal size: 2.5” (63mm),4.0” (100mm);
- Case: polished or matte stainless steel, with U–Clamp;
- Ring: Bayonet type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value;
  Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.



Installation Data



115BB–U

mm / size	A	B	C	D	E	G	F	T
63	69.0	61.5	59.5	31.0	Hex14.0	10.5	M4	1/4"
100	111.0	99.0	72.0	38.5	Hex22.0	14.5	M5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115BB–U	63	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BB–U	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

115B–F Series Pressure Gauge

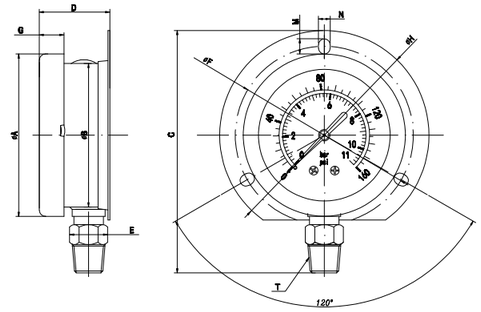
Features

- Nominal size: 2.5” (63mm),4.0” (100mm);
- Case: polished or matte stainless steel, with back or front flange;
- Ring: Bayonet type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value;
  Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.

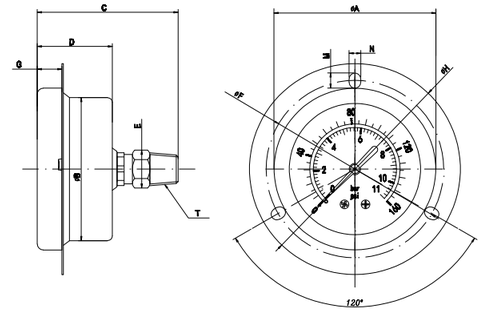




Installation Data



115BL–F



115BB–F

mm / size	A	B	C	D	E	F	G	H	M	N	T
63	69.0	62.0	102.0	31.0	Hre14.0	75.5	10.5	89.0	6.5	4.5	1/4"
100	111.0	99.0	148.5	39.5	Hex22.0	118.0	14.5	132.0	7.5	5.0	1/2"

mm / size	A	B	C	D	E	F	G	H	M	N	T
63	69.0	61.5	59.0	31.0	Hex14.0	75.5	10.5	89.0	6.5	4.5	1/4"
100	111.0	99.0	72.0	38.5	Hex22.0	117.0	14.5	131.5	7.7	5.2	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115BL–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BL–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BB–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115BB–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

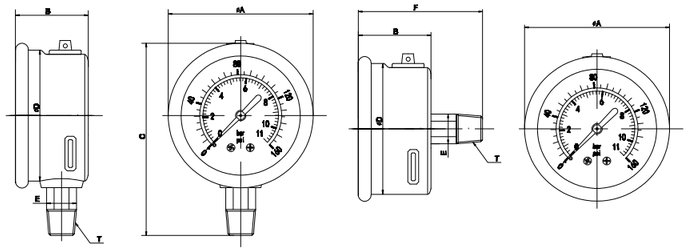
115C Series Pressure Gauge

Features



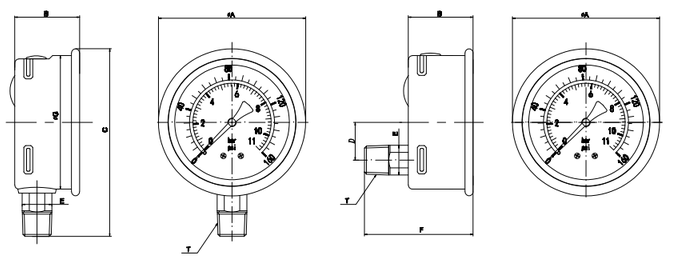
- Nominal size: 2.5” (63mm), 4.0” (100mm);
- Case: polished or matte stainless steel;
- Ring: Crimpled type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,1.0%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.

Installation Data



115CL 115CB

mm / size	A	B	C	D	E	F	T
63	68.0	32.0	91.5	62.0	14.0	56.0	1/4"



115CL 115CB

mm / size	A	B	C	D	E	F	T
100	109.0	48.5	139.5	28.0	22.0	80.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115CL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115CL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115CB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
115CB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

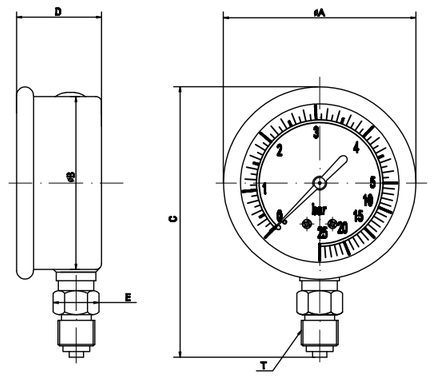
115OP Series Pressure Gauge

Features



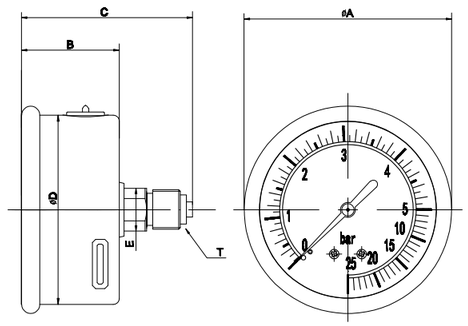
- Nominal size: 2.5” (63mm) 4” (100mm);
- Case: stainless steel;
- Bezel: stainless steel;
- Thread:1/8” ,1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Mount type: Bottom mount, back mount;
- Process connection: Brass;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: ±2.5%, ±1.6%;
- Scale ranges: 0–25bar, 0–60bar;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

Installation Data



115OP–1

mm / size	A	B	C	D	E	T
63	68.0	61.5	94.5	30.0	Hex14.0	1/4"
100	108.5	99.0	138.5	36.5	Hex22.0	1/2"



115OP–2

mm / size	A	B	C	D	E	T
63	68.0	32.0	58.0	61.5	14.0	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
115OP–1	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	0–25bar or 60bar
115OP–1	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	0–25bar or 60bar
115OP–2	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	0–25bar or 60bar

116A Series Pressure Gauge

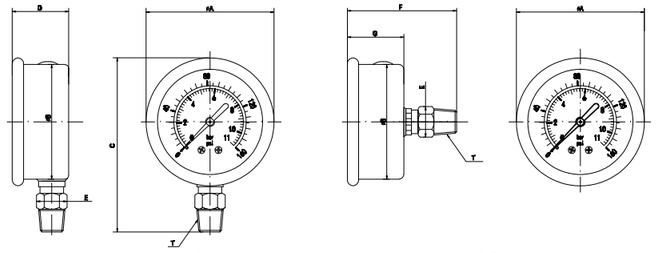
Features

- Nominal size: 1.5” (40mm),2.0” (50mm),2.5” (63mm),3” (75mm),4.0” (100mm);
- Case: polished or matte stainless steel;
- Ring: Crimpled type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.





Installation Data



116AL 116AB

size \ mm	A	B	C	D	E	F	G	T
40	47.0	41.0	66.0	26.0	Hex11.0	50.0	27.0	1/8"
50	57.5	51.5	81.0	30.0	Hex14.0	58.5	30.0	1/8"
63	68.0	61.5	91.5	30.0	Hex14.0	58.5	30.0	1/4"
75	82.0	74.5	111.5	32.0	Hex17.0	64.5	30.0	3/8"
100	108.5	99.0	137.0	36.0	Hex22.0	69.0	36.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
116AL	40	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AL	50	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AL	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB	40	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB	50	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

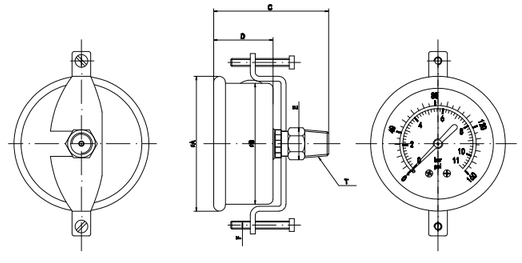
116AB–U Series Pressure Gauge

Features

- Nominal size: 1.5” (40mm),2.0” (50mm),2.5” (63mm),3” (75mm),4.0” (100mm);
- Case: polished or matte stainless steel, with U–Clamp;
- Ring: Crimpled type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.



Installation Data



116AB–U

size \ mm	A	B	C	D	E	F	T
40	47.0	41.0	50.0	27.0	Hex11.0	M4	1/8"
50	57.5	51.5	58.0	30.0	Hex14.0	M4	1/4"
63	68.0	61.5	58.5	30.0	Hex14.0	M4	1/4"
75	82.0	74.5	64.5	30.0	Hex17.0	M4	3/8"
100	108.5	99.0	69.5	35.5	Hex22.0	M5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
116AB–U	40	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–U	50	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–U	63	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–U	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–U	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

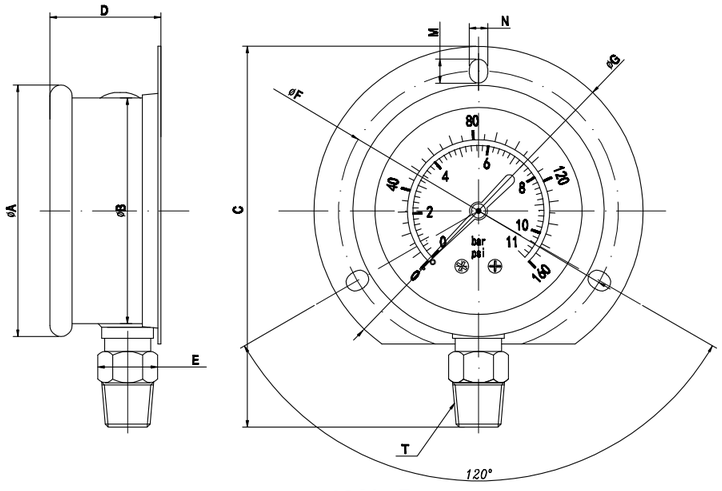
Features

- Nominal size: 1.5” (40mm),2.0” (50mm),2.5” (63mm),3” (75mm),4.0” (100mm);
- Case: polished or matte stainless steel, with back or front flange;
- Ring: Crimpled type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.





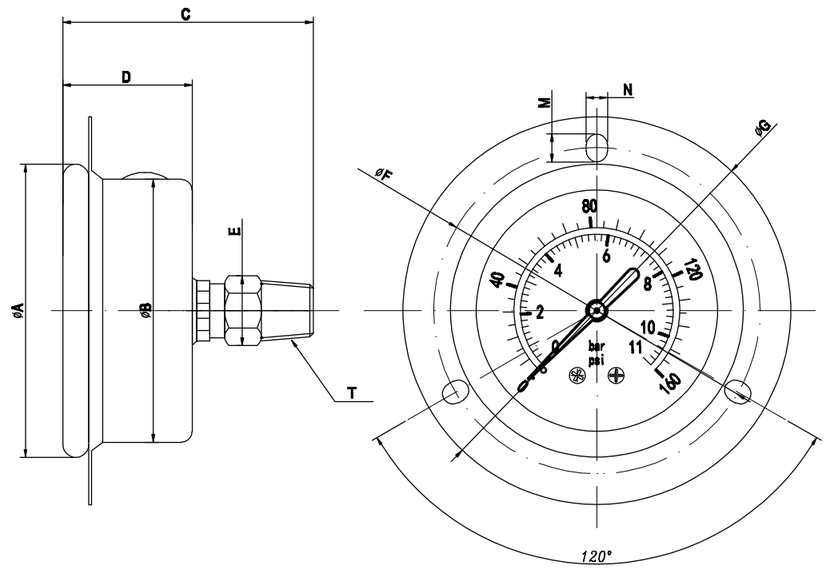
Installation Data



116AL–F

mm / size	A	B	C	D	E	F	G	M	N	T
63	68.0	62.0	102.0	30.0	Hex14.0	75.5	89.0	6.5	4.5	1/4"
75	82.0	74.5	122.0	31.5	Hex17.0	89.5	104.0	6.5	4.5	3/8"
100	108.5	99.0	148.5	35.5	Hex22.0	118.0	132.0	7.5	5.0	1/2"

116A–F Series Pressure Gauge



116AB–F

mm / size	A	B	C	D	E	F	G	M	N	T
40	47.0	41.0	50.0	27.0	Hex11.0	53.0	64.0	3.4	3.4	1/8"
50	57.5	51.5	58.0	30.0	Hex14.0	64.5	72.5	5.4	3.9	1/4"
63	68.0	61.5	58.5	30.0	Hex14.0	75.5	89.0	6.5	4.5	1/4"
75	82.0	74.5	64.5	30.0	Hex17.0	89.5	104.0	6.5	4.5	3/8"
100	108.5	99.0	69.5	35.5	Hex22.0	117.0	132.0	7.7	5.2	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
116AL–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AL–F	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AL–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–F	40	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
116AB–F	50	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–F	75	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116AB–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

116B Series Pressure Gauge

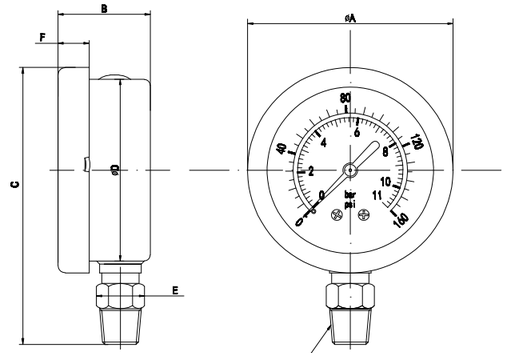
Features

- Nominal size: 2.5” (63mm),4.0” (100mm);
- Case: polished or matte stainless steel;
- Ring: Bayonet type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum.

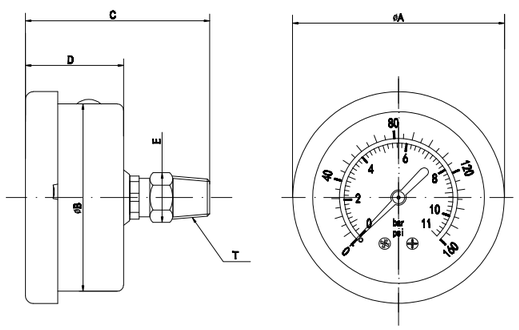




Installation Data



116BL



116BB

mm / size	A	B	C	D	E	F	T
63	69.0	31.5	92.0	61.5	Hex14.0	10.5	1/4"
100	111.0	39.0	141.0	99.0	Hex22.0	14.5	1/2"

mm / size	A	B	C	D	E	T
63	69.0	61.5	59.0	31.0	Hex14.0	1/4"
100	111.0	99.0	72.0	38.5	Hex22.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
116BL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

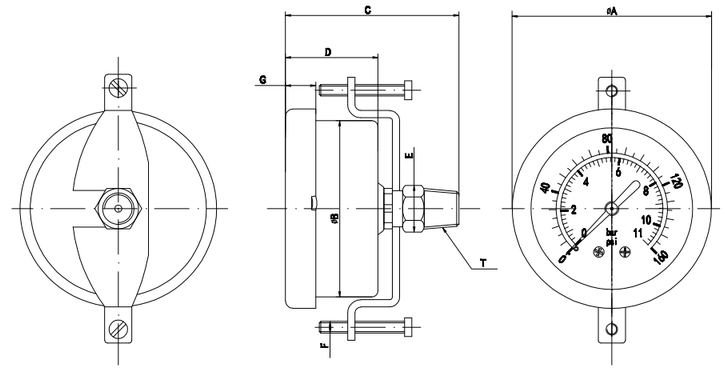
116BB–U Series Pressure Gauge

Features

- Nominal size: 2.5” (63mm),4.0” (100mm);
- Case: polished or matte stainless steel, with U–Clamp;
- Ring: Bayonet type ,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.



Installation Data



116BB–U

mm / size	A	B	C	D	E	G	F	T
63	69.0	61.5	59.5	31.0	Hex14.0	10.5	M4	1/4"
100	111.0	99.0	72.0	38.5	Hex22.0	14.5	M5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
116BB–U	63	1/8,1/4",BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BB–U	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back with U–Clamp	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

116B–F Series Pressure Gauge

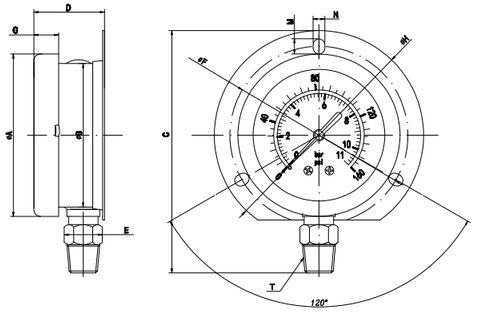
Features

- Nominal size: 2.5” (63mm),4.0” (100mm);
- Case: polished or matte stainless steel, with back or front flange;
- Ring: Bayonet type,Stainless steel;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Stainless steel;
- Movement: Stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Polycarbonate or tempered glass;
- Accuracy class: 1.6%,2.5%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Filling liquid: Glycerine or silicone;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.

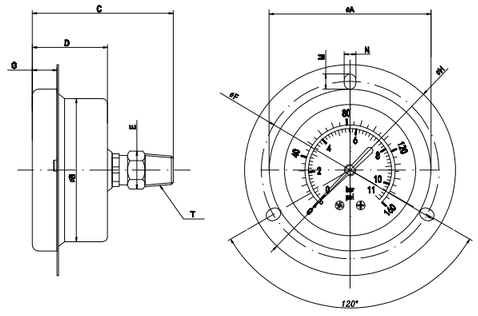




Installation Data



116BL–F



116BB–F

mm / size	A	B	C	D	E	F	G	H	M	N	T
63	69.0	62.0	102.0	31.0	Hre14.0	75.5	10.5	89.0	6.5	4.5	1/4"
100	111.0	99.0	148.5	39.5	Hex22.0	118.0	14.5	132.0	7.5	5.0	1/2"

mm / size	A	B	C	D	E	F	G	H	M	N	T
63	69.0	61.5	59.0	31.0	Hex14.0	75.5	10.5	89.0	6.5	4.5	1/4"
100	111.0	99.0	72.0	38.5	Hex22.0	117.0	14.5	131.5	7.7	5.2	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
116BL–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BL–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bottom with back flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BB–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
116BB–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Back with front flange	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

117A Series Pressure Gauge

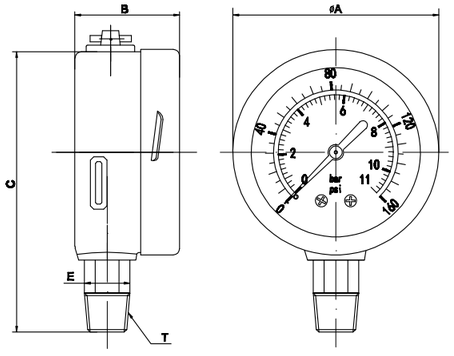
Features

- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

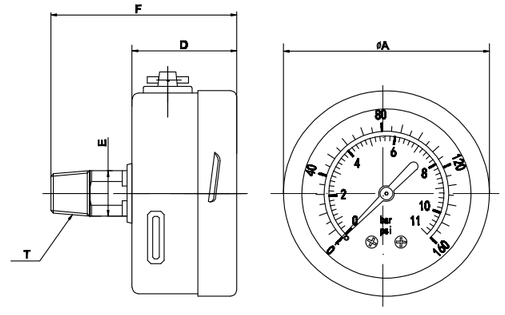




Installation Data

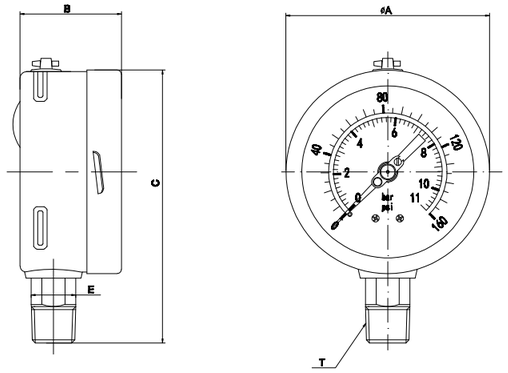


117AL

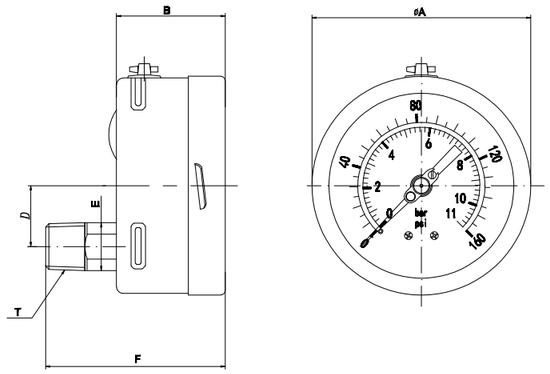


117AB

mm / size	A	B	C	D	E	F	T
63	63.5	32.0	88.0	32.0	14.0	56.0	1/4"



117AL



117AB

size \ mm	A	B	C	D	E	F	T
100	101.0	48.5	136.0	28.0	22.0	83.0	1/2"
160	160.0	49.5	200.0	28.0	22.0	83.0	1/2"

MODEL NUMBER

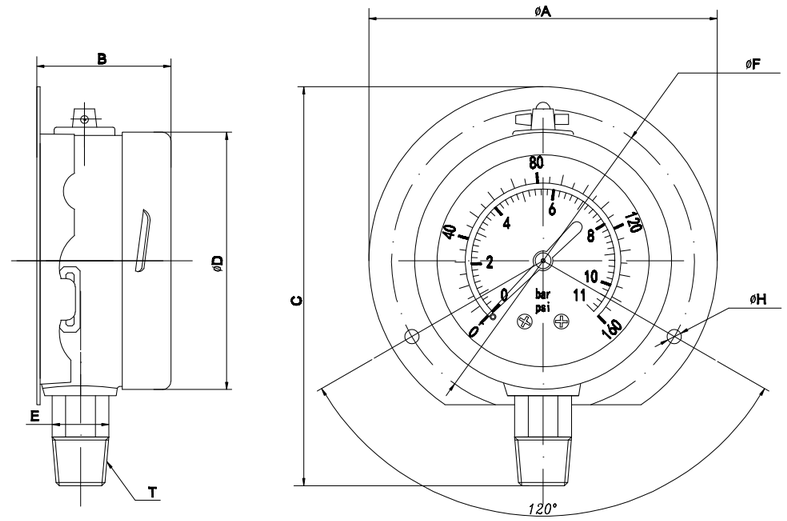
Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
117AL	63	1/4 NPT optional	Bar/psi	back	vacuum to 1000 bar
117AL	100	1/2 NPT optional	Bar/psi	back	vacuum to 1000 bar
117AL	160	1/2 NPT optional	Bar/psi	back	vacuum to 1000 bar
117AB	63	1/4 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
117AB	100	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
117AB	160	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar

Features



- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Accessory: back flange.

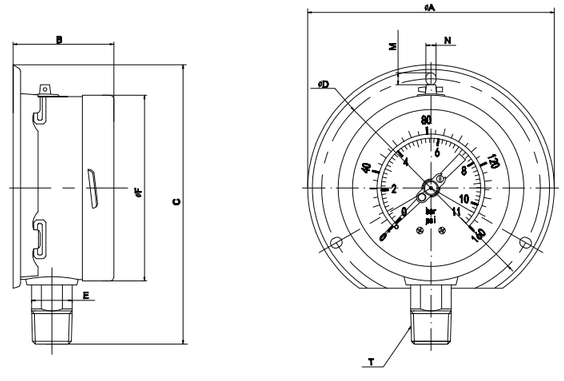
Installation Data



117AL–F

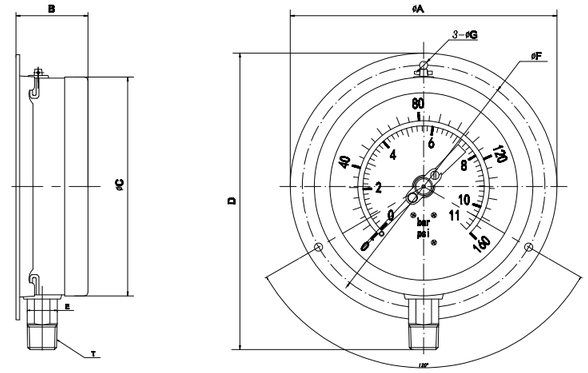
size \ mm	A	B	C	D	E	F	H	T
63	86.0	33.0	98.5	63.5	14.0	75.0	3.6	1/4"

117AL–F Series Pressure Gauge



117AL–F

size \ mm	A	B	C	D	E	F	M	N	T
100	133.5	55.0	151.0	118.5	22.0	101.0	6.5	5.5	1/2"



117AL–F

size \ mm	A	B	C	D	E	F	G	T
160	196.0	54.0	160.0	217.5	22.0	177.5	6.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
117AL–F	63	1/4 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
117AL–F	100	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
117AL–F	160	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar

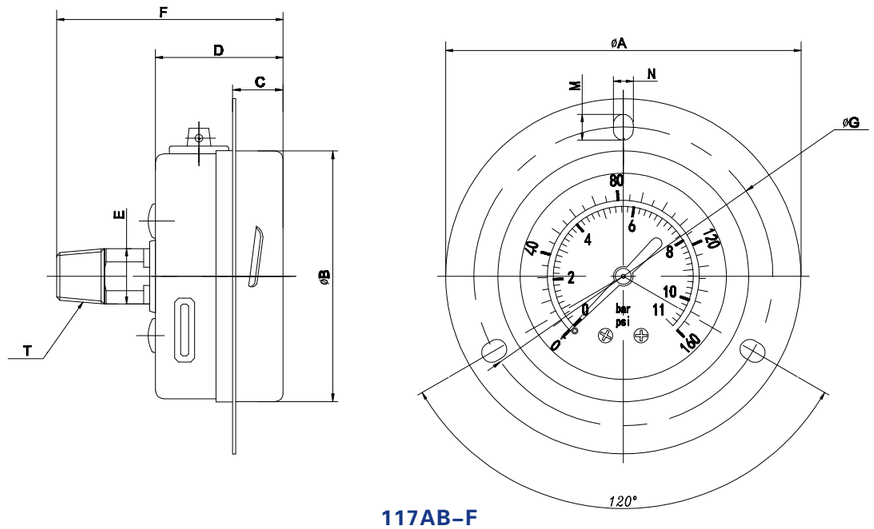
117AB–F Series Pressure Gauge

Features



- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/8” ,1/4” ,3/8” , 1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4 %/10 K of the span;
- Accessory: front flange.

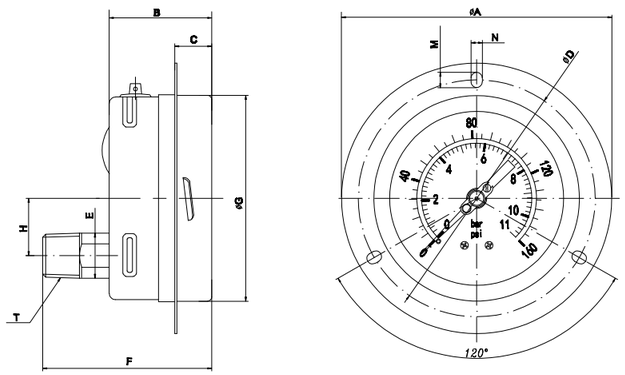
Installation Data



117AB–F

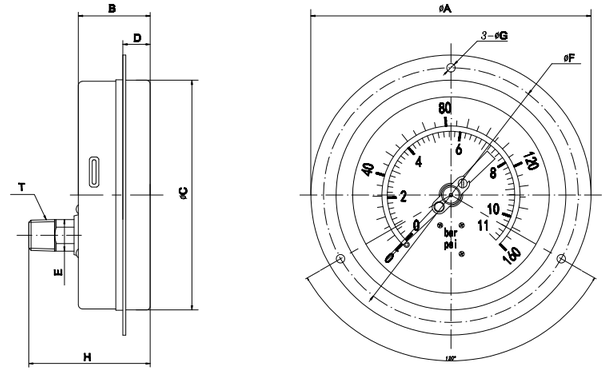
size \ mm	A	B	C	D	E	F	G	M	N	T
63	89.0	63.5	12.5	32.5	14.0	58.5	76.0	6.5	4.5	1/4"

117AB–F Series Pressure Gauge



117AB–F

size \ mm	A	B	C	D	E	F	G	H	M	N	T
100	132.0	49.0	18.0	115.5	22.0	82.0	100.5	28.0	7.5	5.5	1/2"



117AB–F

size \ mm	A	B	C	D	E	F	G	H	T
160	195.0	50.0	160.0	19.0	22.0	177.5	6.0	84.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
117AB–F	63	1/8,1/4",BSP,NPT,BSPT or customized	Bar/psi	back	vacuum to 1000 bar
117AB–F	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bar/psi	back	vacuum to 1000 bar
117AB–F	160	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Bar/psi	back	vacuum to 1000 bar

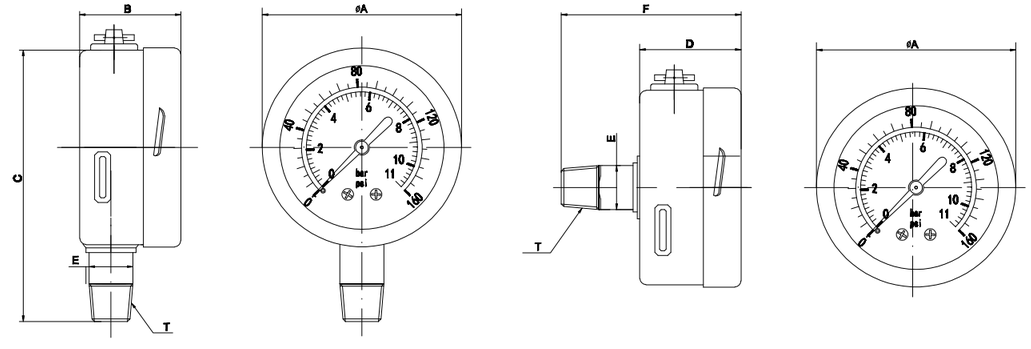
118A Series Pressure Gauge

Features

- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm),8.0” (200mm),10” (250mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: 316 stainless steel;
- Movement: 316 stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation:Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value;
  Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Welding: laser welding.

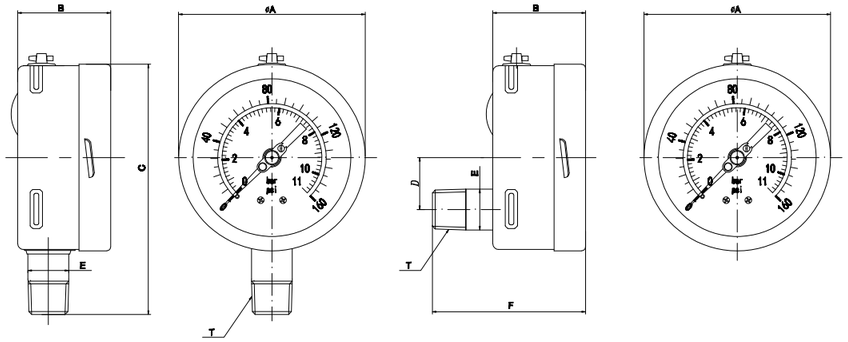


Installation Data



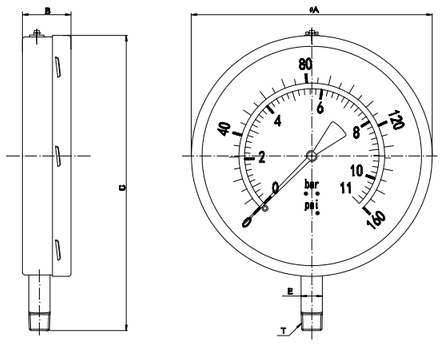
118AL 118AB

size \ mm	A	B	C	D	E	F	T
63	63.5	32.0	87.5	32.0	14.0	57.5	1/4"



118AL 118AB

size \ mm	A	B	C	D	E	F	T
100	101.0	48.5	136.0	28.0	22.0	83.0	1/2"
160	160.0	49.5	200.0	28.0	22.0	86.5	1/2"
200	200.5	48.5	242.5	/	22.0	/	1/2"



118AL

size \ mm	A	B	C	E	T
250	249.0	50.0	305.0	22.0	1/2"

MODEL NUMBER

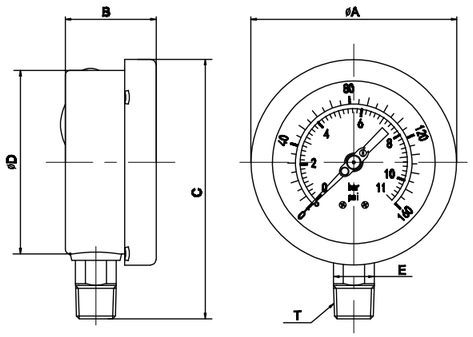
Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
118AL	63	1/4 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AL	100	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AL	160	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AL	200	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AL	250	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AB	63	1/4 NPT optional	Bar/psi	center back	vacuum to 1000 bar
118AB	100	1/2 NPT optional	Bar/psi	low back	vacuum to 1000 bar
118AB	160	1/2 NPT optional	Bar/psi	low back	vacuum to 1000 bar

Features

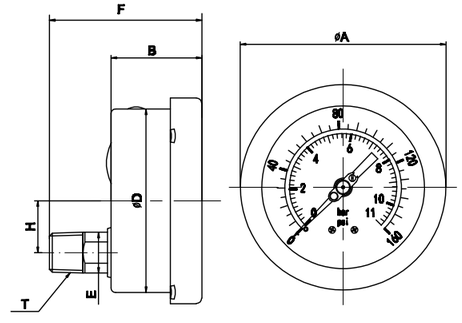


- Nominal size: 4.0” (100mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: 316 stainless steel;
- Movement: 316 stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Welding: laser welding.

Installation Data



118AN–L



118AN–B

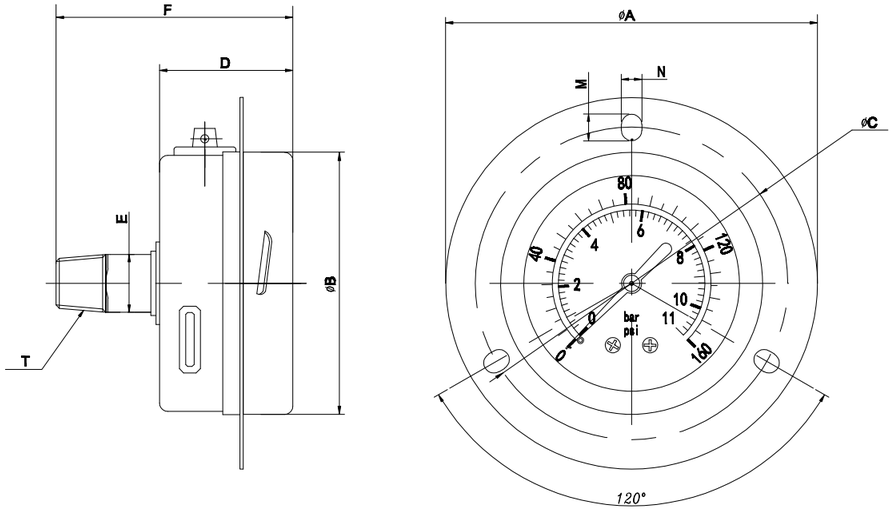
size \ mm	A	B	C	D	E	F	H	T
100	111.0	48.5	140.0	99.0	22.0	80.5	28.0	1/2"

Features



- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: 316 stainless steel;
- Movement: 316 stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Welding: laser welding;
- Accessory: front flange.

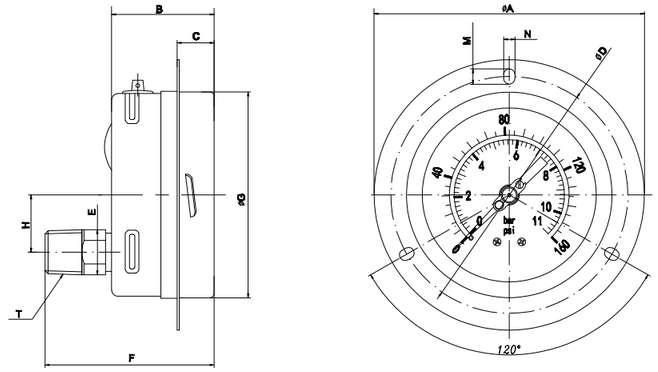
Installation Data



118AB–F

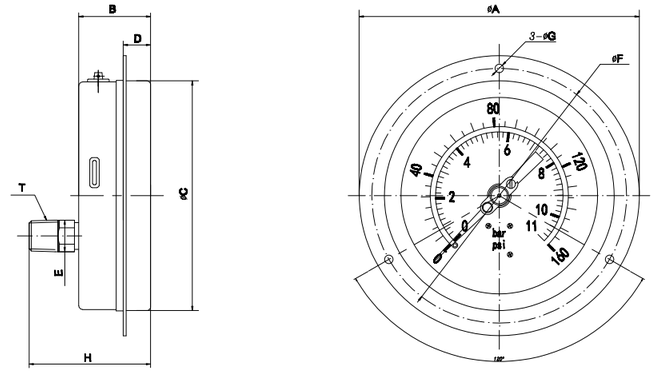
size \ mm	A	B	C	D	E	F	M	N	T
63	89.0	63.5	76.0	33.0	14.0	57.5	6.5	4.5	1/4"

118AB–F Series Pressure Gauge



118AB–F

size \ mm	A	B	C	D	E	F	G	H	M	N	T
100	132.0	49.0	18.0	115.5	22.0	85.0	100.5	28.0	7.5	5.5	1/2"



118AB–F

size \ mm	A	B	C	D	E	F	G	H	T
160	195.0	50.0	160.0	19.0	22.0	177.5	6.0	84.0	1/2"

MODEL NUMBER

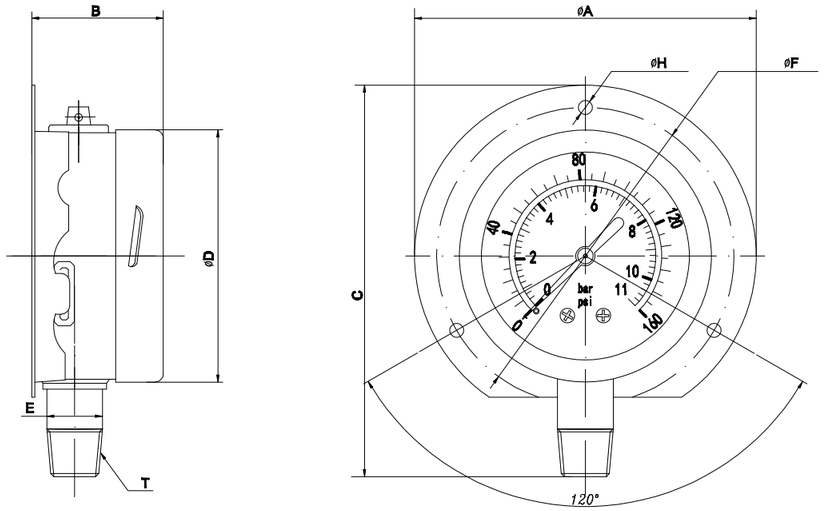
Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
118AB–F	63	1/4 NPT optional	Bar/psi	back	vacuum to 1000 bar
118AB–F	100	1/2 NPT optional	Bar/psi	back	vacuum to 1000 bar
118AB–F	160	1/2 NPT optional	Bar/psi	back	vacuum to 1000 bar

Features



- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: matted stainless steel case,bayonet lock ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: 316 stainless steel;
- Movement: 316 stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: tempered glass,safety glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: vacuum to 1000 bar (15000 psi);
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Welding: laser welding;
- Accessory: back flange.

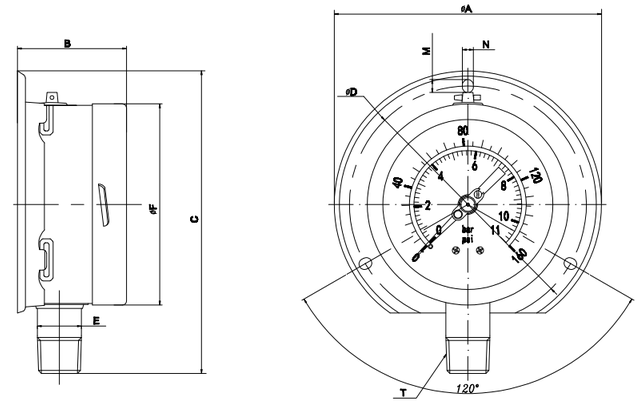
Installation Data



118AL–F

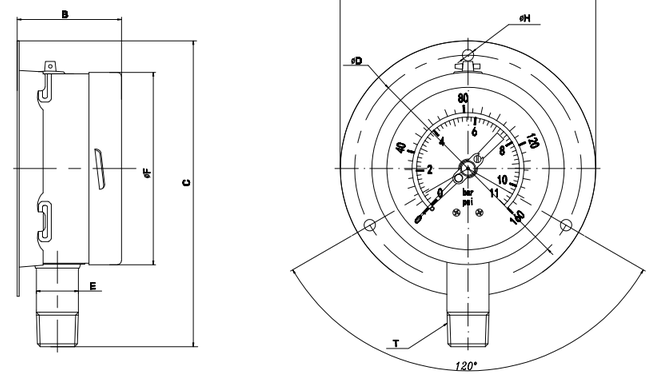
size \ mm	A	B	C	D	E	F	H	T
63	86.0	33.0	98.5	63.5	14.0	75.0	3.6	1/4"

118AL–F Series Pressure Gauge



118AL–F

size \ mm	A	B	C	D	E	F	M	N	T
100	133.5	54.0	154.0	118.5	22.0	101.0	6.5	5.5	1/2"



118AL–F

size \ mm	A	B	C	D	E	F	H	T
160	195.0	54.0	217.5	177.5	22.0	160.0	6.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
118AL–F	63	1/4 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AL–F	100	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar
118AL–F	160	1/2 NPT optional	Bar/psi	bottom	vacuum to 1000 bar

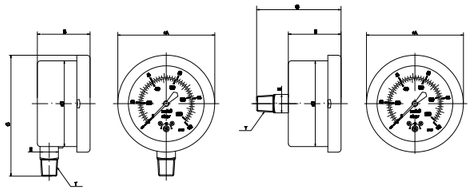
121A Series Pressure Gauge

Features



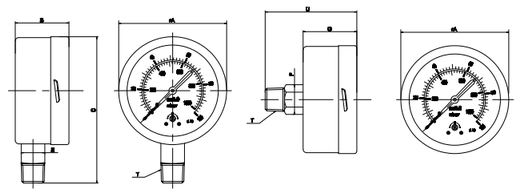
- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: black steel case,bayonet ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



121AL 121AB

mm / size	A	B	C	D	E	G	T
63	73.5	38.5	92.0	65.5	14.0	62.5	1/4"



121AL 121AB

mm / size	A	B	C	D	E	F	G	T
100	101.0	49.0	136.0	22.0	22.0	Hex24.0	51.0	1/2"
160	160.0	50.5	199.0	/	22.0	/	/	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
121AL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
121AL	100	1/2 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
121AL	160	1/2 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
121AB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar
121AB	100	1/2 NPT optional	mbar,kpa	back	vacuum to 1000 mbar
121AB	160	1/2 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

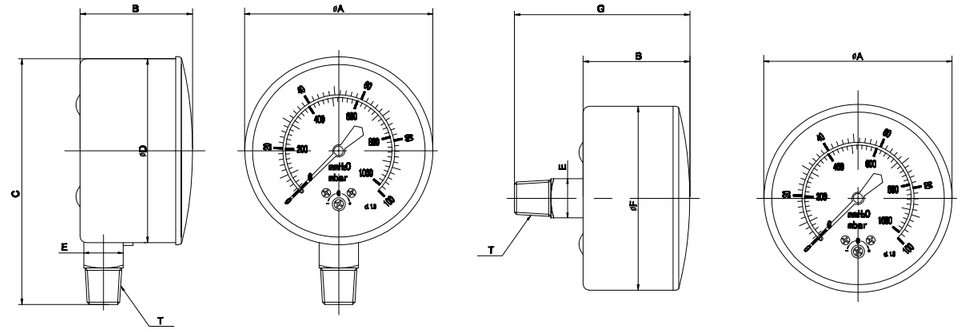
121B Series Pressure Gauge

Features



- Nominal size: 2.5” (63mm);
- Case: black steel case;
- Process connection: 1/8” ,1/4” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: snap in plastic;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



121BL 121BB

mm / size	A	B	C	D	E	G	T
63	67.0	41.0	83.0	65.5	14.0	63.5	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
121BL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
121BB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

122A Series Pressure Gauge

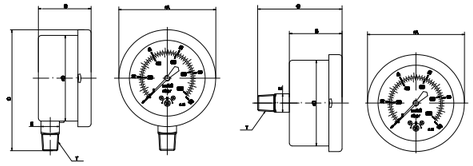
Features

- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: stainless steel,bayonet ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: stainless steel;
- Movement: stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.



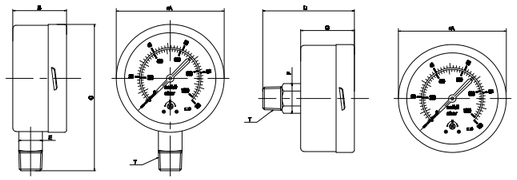


Installation Data



122AL 122AB

mm / size	A	B	C	D	E	G	T
63	73.5	38.5	92.0	65.5	14.0	62.5	1/4"



122AL 122AB

mm / size	A	B	C	D	E	F	G	T
100	101.0	49.0	136.0	22.0	22.0	Hex24.0	51.0	1/2"
150	160.0	50.5	199.0	/	22.0	/	/	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
122AL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
122AL	100	1/2 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
122AL	160	1/2 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
122AB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar
122AB	100	1/2 NPT optional	mbar,kpa	back	vacuum to 1000 mbar
122AB	160	1/2 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

122B Series Pressure Gauge

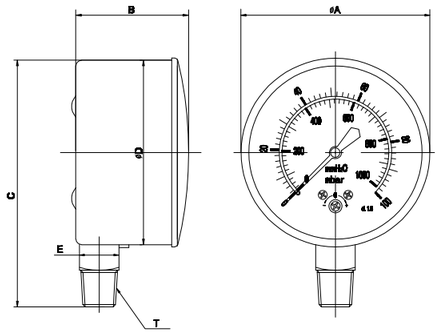
Features

- Nominal size: 2.5” (63mm);
- Case: stainless steel;
- Process connection: 1/8” ,1/4” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: stainless steel;
- Movement: stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

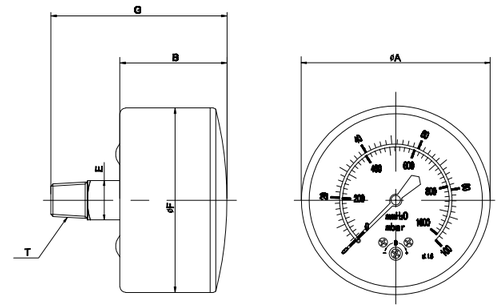




Installation Data



122BL



122BB

mm / size	A	B	C	D	E	G	T
63	67.0	41.0	83.0	65.5	14.0	63.5	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
122BL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
122BB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

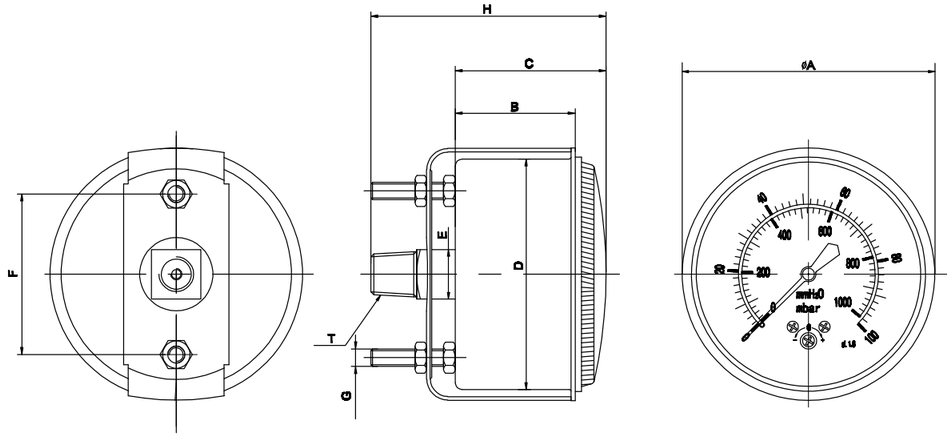
122BB–U Series Pressure Gauge

Features



- Nominal size: 2.5” (63mm);
- Case: stainless steel;
- Process connection: 1/8” ,1/4” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element:stainless steel;
- Movement: stainless steel;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic,tempered glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Accessory: U clamp.

Installation Data



122BB–U

size \ mm	A	B	C	D	E	F	G	H	T
63	72.0	34.5	43.0	65.5	14.0	47.5	M5	67.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
122BB–U	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

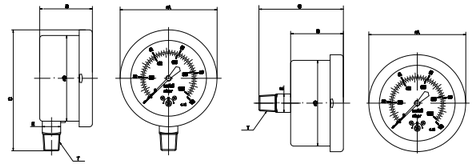
123A Series Pressure Gauge

Features



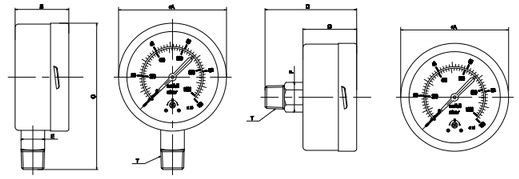
- Nominal size: 2.5” (63mm),4.0” (100mm),6.0” (160mm);
- Case: stainless steel ,bayonet ring;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: tempered glass;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature:Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



123AL 123AB

size \ mm	A	B	C	D	E	G	T
63	73.5	38.5	92.0	65.5	14.0	62.5	1/4"



123AL 123AB

size \ mm	A	B	C	D	E	F	G	T
100	101.0	49.0	136.0	22.0	22.0	Hex24.0	51.0	1/2"
160	160.0	50.5	199.0	/	22.0	/	/	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
123AL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
123AL	100	1/2 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
123AL	160	1/2 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
123AB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar
123AB	100	1/2 NPT optional	mbar,kpa	back	vacuum to 1000 mbar
123AB	160	1/2 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

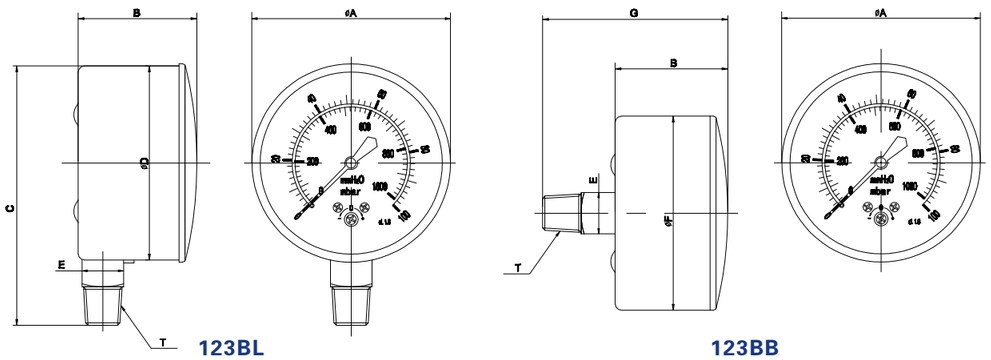
123B Series Pressure Gauge

Features



- Nominal size: 2.5” (63mm);
- Case: stainless steel ;
- Process connection: 1/8” ,1/4” ,3/8” ,1/2” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element:Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



123BL 123BB

mm / size	A	B	C	D	E	G	T
63	67.0	41.5	83.0	65.5	14.0	63.5	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
123BL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
123BB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

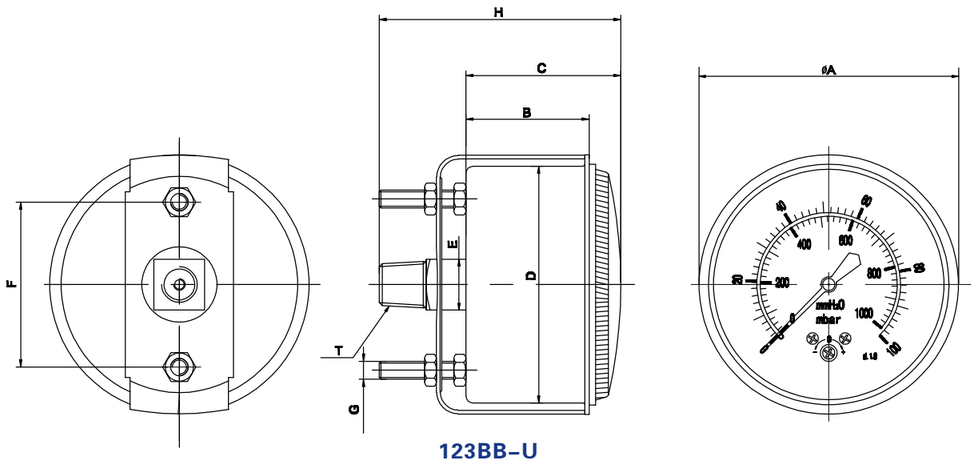
123BB–U Series Pressure Gauge

Features



- Nominal size: 2.5” (63mm);
- Case: black steel or stainless steel;
- Process connection: 1/8” ,1/4” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: plastic;
- Accuracy class: 1.6%,1%;
- Scale ranges: –1000mbar to 1000mbar;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span;
- Accessory: U clamp.

Installation Data



123BB–U

mm / size	A	B	C	D	E	F	G	H	T
63	72.0	34.5	43.0	65.5	14.0	47.5	M5	67.5	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
123BB–U	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

123G Series Pressure Gauge

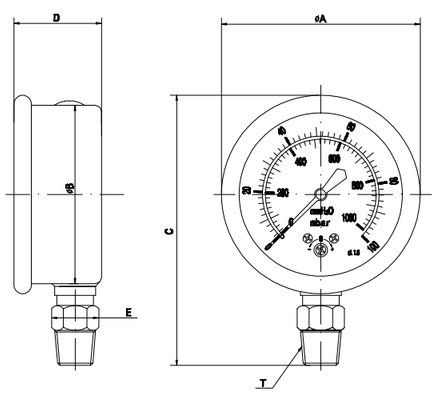
Features



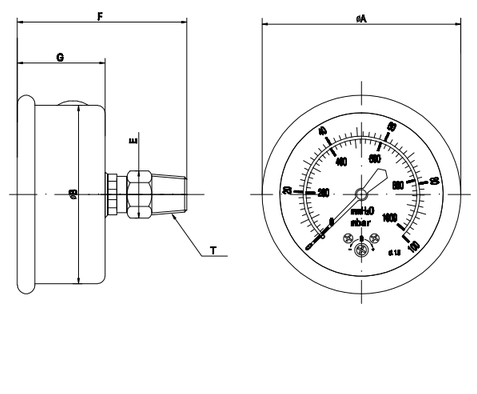


- Nominal size: 2.5”（63mm）;
- Case: stainless steel ,crimpled ring;
- Process connection: 1/8”,1/4” optional;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: polycarbonate;
- Accuracy class: 1.6%;
- Scale ranges: –1000mbar to 1000mbar ;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4 %/10 K of the span;
- Filling: glycerine.

Installation Data



123GL



123GB

mm / size	A	B	C	D	E	F	G	T
63	68.0	61.5	91.5	33.5	Hex14.0	58.5	30.0	1/4"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
123GL	63	1/4 NPT optional	mbar,kpa	bottom	vacuum to 1000 mbar
123GB	63	1/4 NPT optional	mbar,kpa	back	vacuum to 1000 mbar

119T Series Pressure Gauge

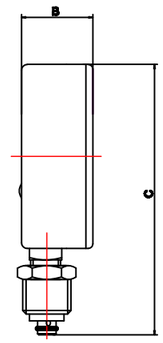
Features

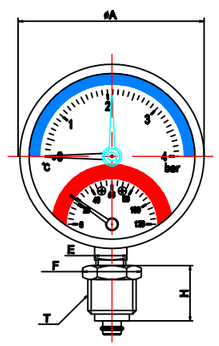




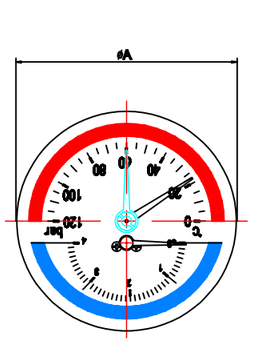
- Nominal size: 80mm;
- Case: black steel;
- Bezel: non bezel, chrome plated;
- Process connection: 1/4”,1/2”;
- Thread: NPT,BSP,BSPT optional;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: snap in plastic ,snap in plastic with red pointer;
- Accuracy class: 1.6%;
- Scale ranges: 0–4.6.10bar;0–120℃;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

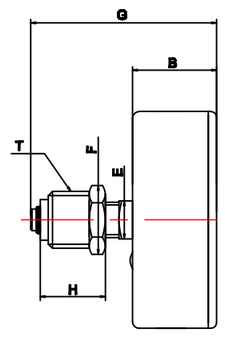
Installation Data





119TL





119TB

mm / size	A	B	C	E	F	H	G	T
80	80.0	30.5	116.5	14.0	Hex22.0	24.0	67.5	1/2"

MODEL NUMBER

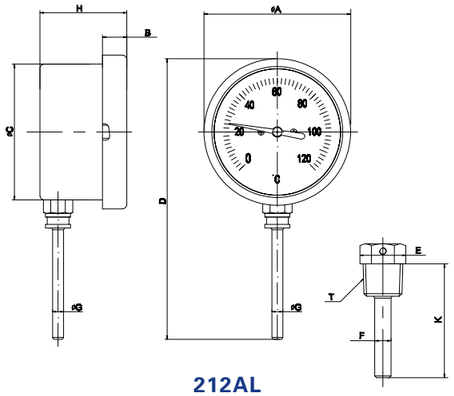
Part No.	Dial Size	Connection/Thread	Connection Entry	Pressure Unit	Range Optional
119TL	80	1/2 NPT、1/2 BSP	bottom	Bar/C	4bar,6bar,10bar / 120℃
119TB	80	1/2 NPT、1/2 BSP	back	Bar/C	4bar,6bar,10bar / 120℃

Features

- Nominal size:2.5” (63mm),4.0” (100mm);
- Case and Bezel: black steel;
- Probe/Bulb Sensor: stainless steel/brass;
- Connection: brass fixed welding connection;
- Window: plain instrument glass,tempered glass;
- Pointer: black painted aluminum;
- Dial plated: aluminum ;
- Sensing Element: coiled bimetal sensing;
- Connection size: 1/2";
- Accuracy: 1.6%,2.0%;
- Temp range: 0–120℃ ;
- Stem length: 63mm,100mm and optional;
- Stem diameter: 9mm.

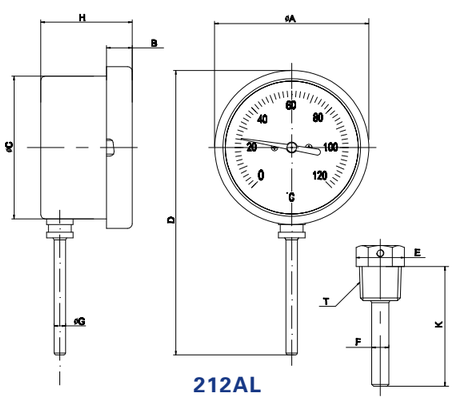


Installation Data



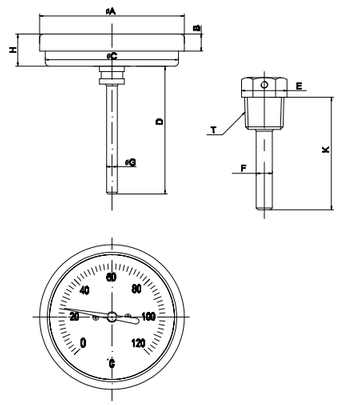
212AL

mm / size	A	B	C	D	E	F	G	H	T
63	67.5	12.5	59.0	141.0	HeX22.0	9.0	6.0	46.0	1/2"



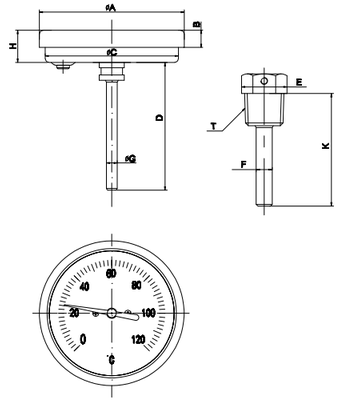
212AL

mm / size	A	B	C	D	E	F	G	H	T
100	109.5	14.5	100.0	175.0	HeX22.0	9.0	6.0	50.0	1/2"



212AB

mm / size	A	B	C	D	E	F	G	H	K	T
63	63.0	8.5	56.5	71.5	HeX22.0	9.0	6.0	15.5	63.0	1/2"



212AB

mm / size	A	B	C	D	E	F	G	H	K	T
100	107.0	10.5	99.0	71.5	HeX22.0	9.0	6.0	19.5	63.0	1/2"

MODEL NUMBER

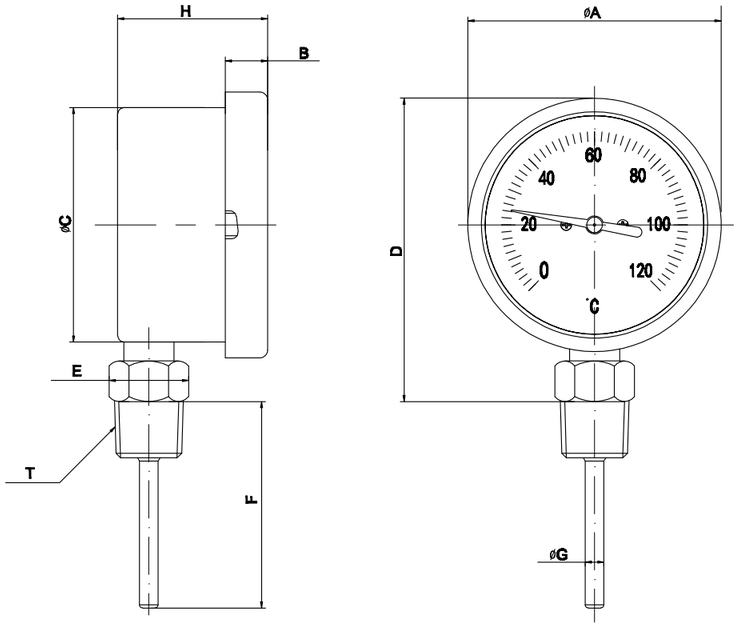
Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
212AL	63	1/4 NPT optional	C/F	bottom	–40℃ ...+600℃
212AL	100	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃
212AB	63	1/4 NPT optional	C/F	back	–40℃ ...+600℃
212AB	100	1/2 NPT optional	C/F	back	–40℃ ...+600℃

Features

- Nominal size:2.5” (63mm),3.0” (75mm),4.0” (100mm),6.0” (160mm);
- Case and Bezel: 304 stainless steel;
- Probe/Bulb Sensor: 316 stainless steel;
- Connection: 316 stainless steel,sliding connection or fixed welding connection;
- Window: plain instrument glass,tempered glass,safety glass;
- Pointer: black painted aluminum;
- Dial plated: aluminum ,bowl cuppied type;
- Sensing Element: coiled bimetal sensing;
- Connection size: 1/4” ,1/2” ;
- Accuracy: 1.6%,1.0%;
- Temp range: –40℃ ...+600℃ ;
- Filling: dry, fillable, filled with glycerine;
- Stem length: 63mm,100mm and optional;
- Stem diameter: 6mm,8mm and optional.



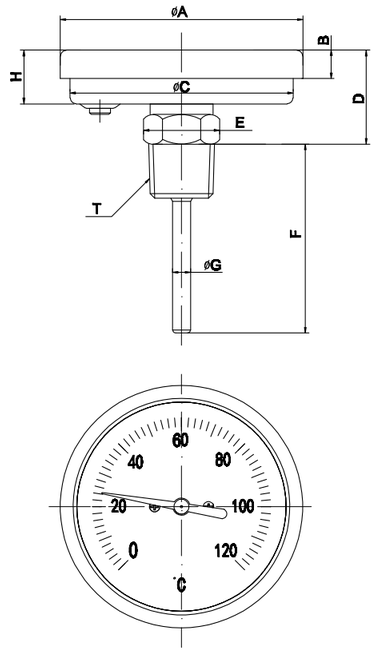
Installation Data



213AL

size \ mm	A	B	C	D	E	F	G	H	T
63	67.5	12.0	59.0	72.5	Hex14.0	60mm at least	6mm at least	45.5	1/4"
75	84.5	13.8	75.0	97.0	Hex22.0	60mm at least	6mm at least	49.0	1/2"
100	110.5	13.5	99.5	122.0	Hex22.0	60mm at least	6mm at least	51.5	1/2"
160	160.5	17.5	148.5	172.5	Hex22.0	60mm at least	6mm at least	52.5	1/2"

213A Series Pressure Gauge



213AB

size \ mm	A	B	C	D	E	F	G	H	T
63	63.0	9.0	56.5	26.5	Hex14.0	60mm at least	6mm at least	14.5	1/2"
75	84.5	14.5	74.3	36.5	Hex22.0	60mm at least	6mm at least	19.5	1/2"
100	109.0	14.5	99.0	36	Hex22.0	60mm at least	6mm at least	18.5	1/2"
160	160.5	17.5	148.5	37.5	Hex22.0	60mm at least	6mm at least	20.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
213AL	63	1/4 NPT optional	C/F	bottom	–40℃ ...+600℃
213AL	75	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃
213AL	100	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃
213AL	160	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃
213AB	63	1/4 NPT optional	C/F	back	–40℃ ...+600℃
213AB	75	1/2 NPT optional	C/F	back	–40℃ ...+600℃
213AB	100	1/2 NPT optional	C/F	back	–40℃ ...+600℃
213AB	160	1/2 NPT optional	C/F	back	–40℃ ...+600℃

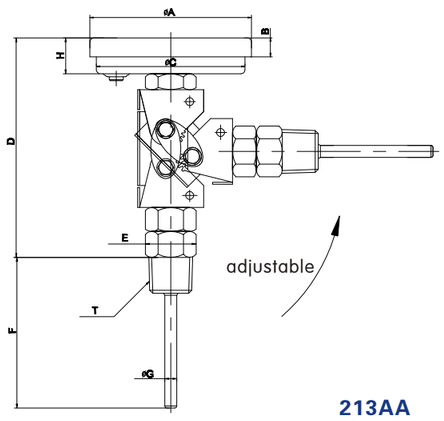
213AA Series Pressure Gauge

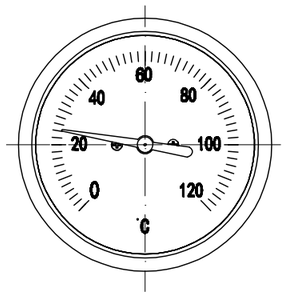
Features

- Nominal size:2.5” (63mm),3.0” (75mm)4.0” (100mm),6.0” (160mm);
- Case and Bezel: 304 stainless steel;
- Probe/Bulb Sensor: 316 stainless steel;
- Connection: 316 stainless steel,sliding connection or fixed welding connection;
- Window: plain instrument glass,tempered glass,safety glass;
- Pointer: black painted aluminum;
- Dial plated: aluminum ,bowl cuppied type;
- Sensing Element: coiled bimetal sensing;
- Connection size: 1/4” ,1/2” ;
- Accuracy: 1.6%,1.0%;
- Temp range: –40℃ ...+600℃;
- Filling: dry, fillable, filled with glycerine;
- Every angle type;
- Stem length: 63mm,100mm and optional;
- Stem diameter: 6mm,8mm and optional.



Installation Data





213AA

size \ mm	A	B	C	D	E	F	G	H	T
63	63.0	9.0	56.5	106.0	Hex22.0	60mm at least	6mm at least	14.5	1/2"
75	84.5	14.5	74.3	109.0	Hex22.0	60mm at least	6mm at least	19.5	1/2"
100	109.0	14.5	99.0	109.0	Hex22.0	60mm at least	6mm at least	19.5	1/2"
160	160.5	17.0	148.5	111.5	Hex22.0	60mm at least	6mm at least	21.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
213AA	63	1/4 NPT optional	C/F	every angle	–40℃ ...+600℃
213AA	75	1/2 NPT optional	C/F	every angle	–40℃ ...+600℃
213AA	100	1/2 NPT optional	C/F	every angle	–40℃ ...+600℃
213AA	160	1/2 NPT optional	C/F	every angle	–40℃ ...+600℃

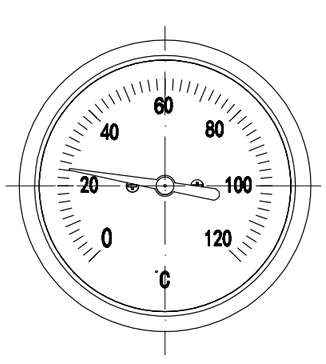
214A Series Pressure Gauge

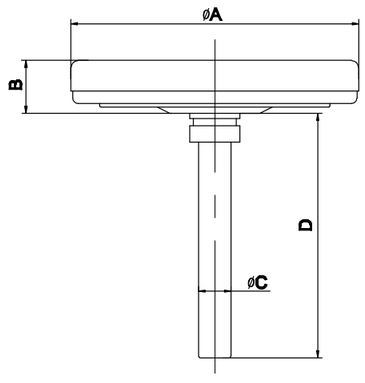
Features

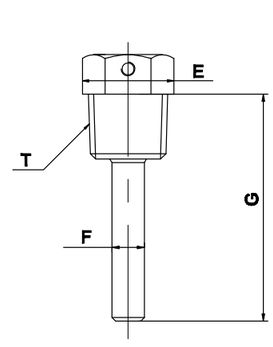
- Nominal:size:63mm,80mm,100mm;
- Case and Bezel: steel iron;
- Probe/Bulb Sensor: brass;
- Connection:brass fixed welding connection;
- Window:plain instrument glass,tempered glass;
- Pointer: black painted aluminum;
- Dial plated:aluminum;
- Sensing Element: coiled bimetal sensing;
- Connection size: 1/2” ;
- Accuracy: 1.6%,2.0%;
- Temp range:0–120℃;
- Stem length :63mm,100mm and optional;
- Stem diameter: 9mm.



Installation Data







214AB

size \ mm	A	B	C	D	E	F	G	T
63	64.0	15.0	9.0	71.5	Hex22.0	12.0	63.0	1/2"
80	80.0	15.5	9.0	71.5	Hex22.0	12.0	63.0	1/2"
100	100.0	18.0	9.0	71.5	Hex22.0	12.0	63.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
214AB	63	1/2 NPT optional	C/F	back	0–120℃
214AB	80	1/2 NPT optional	C/F	back	0–120℃
214AB	100	1/2 NPT optional	C/F	back	0–120℃

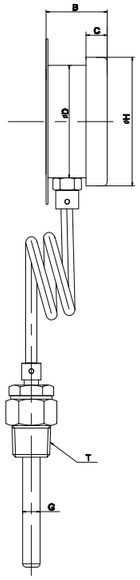
Features

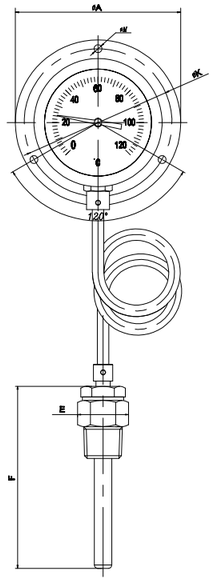
- Nominal size: 2.5”（63mm),4.0”（100mm),6.0”（160mm);
- Case and Bezel: 304 stainless steel;
- Probe/Bulb Sensor: 316 stainless steel;
- Connection: 316 stainless steel,sliding connection or fixed welding connection;
- Window: plain instrument glass,tempered glass,safety glass;
- Pointer: black painted aluminum;
- Dial plated: aluminum ,bowl cuppied type;
- Connection size: 1/4”,1/2”;
- Accuracy: 1.6%;
- Temp range: –40℃ ...+600℃;
- Filling: dry, fillable, filled with glycerine;
- Stem length: 63mm,100mm and so on;
- Stem diameter: 6mm,8mm and so on;
- With back flange or front flange;
- Capillary length: 2m,3m and optional.





Installation Data

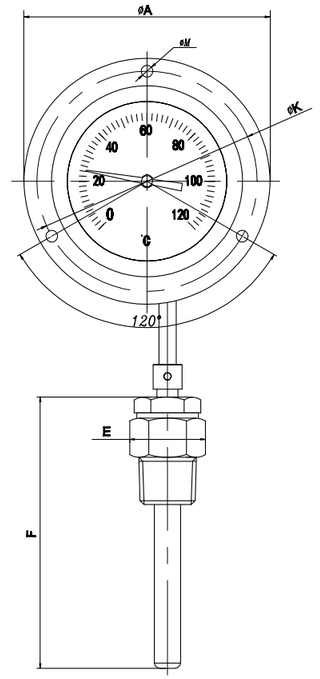


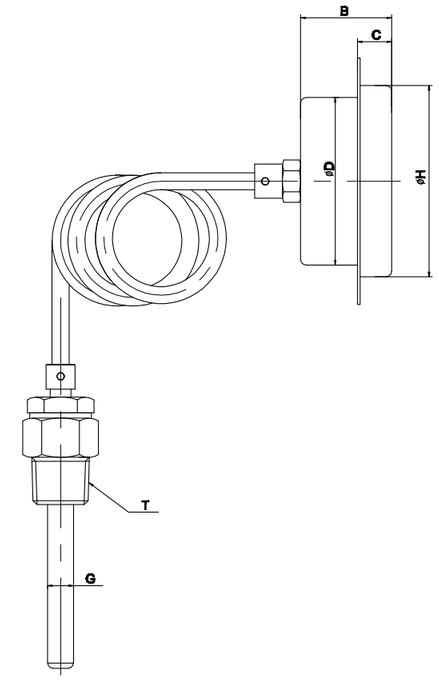


221AL

size \ mm	A	B	C	D	E	F	G	M	K	H	T
63	94.0	38.5	11.0	64.0	Hex25.0	103.0	10.0	4.5	84.0	73.0	1/2"
100	111.0	42.0	16.0	100.0	Hex25.0	103.0	10.0	4.5	124.5	110.5	1/2"

221A Series Pressure Gauge





221AB

size \ mm	A	B	C	D	E	F	G	M	K	H	T
63	94.0	34.5	12.0	64.0	Hex25.0	103.0	10.0	4.5	84.0	73.0	1/2"
100	141.0	38.0	25.0	100.0	Hex25.0	103.0	10.0	4.5	124.5	110.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
221AL	63	1/4 NPT optional	C/F	bottom	–40℃ ...+600℃
221AL	100	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃
221AL	160	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃
221AB	63	1/4 NPT optional	C/F	back	–40℃ ...+600℃
221AB	100	1/2 NPT optional	C/F	back	–40℃ ...+600℃
221AB	160	1/2 NPT optional	C/F	back	–40℃ ...+600℃

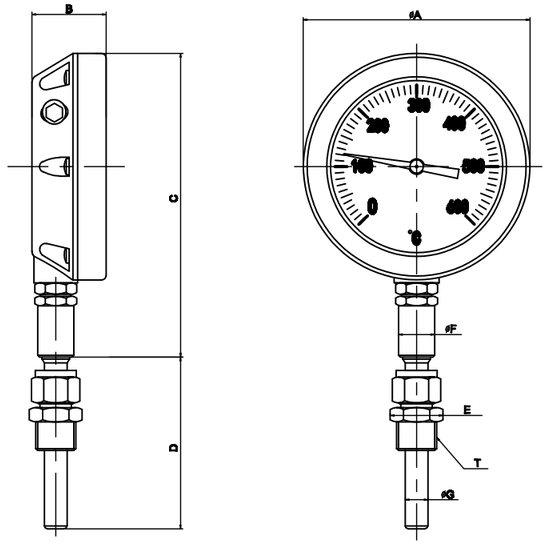
222A Series Pressure Gauge

Features

- Nominal size: 4.0” (100mm);
- Case and Bezel: forged steel;
- Probe/Bulb Sensor: 316 stainless steel;
- Connection: 316 stainless steel,sliding connection or fixed welding connection;
- Window: plain instrument glass,tempered glass,safety glass;
- Pointer: black painted aluminum;
- Dial plated: aluminum ,bowl cuppied type;
- Connection size: 1/2” ;
- Accuracy: 1.6%;
- Temp range: –40℃ ...+600℃ ;
- Filling: glycerine;
- Stem length : 63mm,100mm and optional;
- Stem diameter: 6mm,8mm,10mm and optional.



Installation Data



222AL

mm / size	A	B	C	D	E	F	G	T
100	119.0	38.0	160.5	60mm at least	Hex24.0	19.0	6mm at least	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
222AL	100	1/2 NPT optional	C/F	bottom	–40℃ ...+600℃

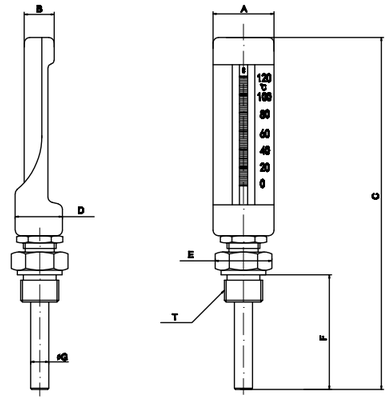
231A Series Pressure Gauge

Features

- Body length: 110mm,150mm,200mm;
- Body material: aluminum painted finished;
- Stem length: 30mm,50mm,63mm,100mm and so on;
- Stem diameter: 9mm or 10mm;
- Stem material: brass;
- Connection size: 1/2” ;
- Accuracy: 1.6%,2.0%;
- Temp range: –40℃ ...+200℃.

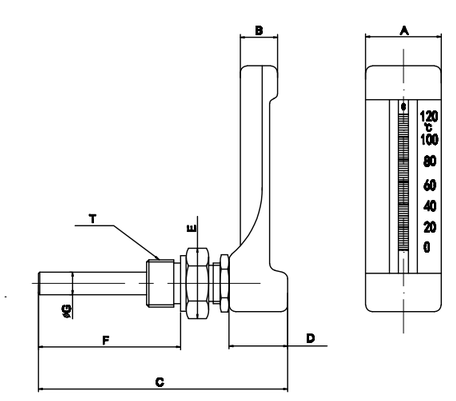


Installation Data



231AL

mm / size	A	B	C	D	E	F	G	T
63	33.0	16.5	193.5	26.0	HeX27.0	63.0	10.0	1/2"
100	33.0	16.0	282.5	26.0	HeX27.0	63.0	10.0	1/2"



231AB

mm / size	A	B	C	D	E	F	G	T
63	33.0	16.5	111.0	27.0	HeX27.0	63.0	10.0	1/2"
100	33.0	17.0	110.5	27.5	HeX27.0	63.0	10.0	1/2"

MODEL NUMBER

Part No.	Body Length	Connection/Thread	Pressure Unit	Connection Entry	Range Optional
231AL	110	1/2 NPT/BSP/BSPT	C/F	straight	–40℃ ...+200℃
231AL	150	1/2 NPT/BSP/BSPT	C/F	straight	–40℃ ...+200℃
231AL	200	1/2 NPT/BSP/BSPT	C/F	straight	–40℃ ...+200℃
231AB	110	1/2 NPT/BSP/BSPT	C/F	90° angle	–40℃ ...+200℃
231AB	150	1/2 NPT/BSP/BSPT	C/F	90° angle	–40℃ ...+200℃
231AB	200	1/2 NPT/BSP/BSPT	C/F	90° angle	–40℃ ...+200℃

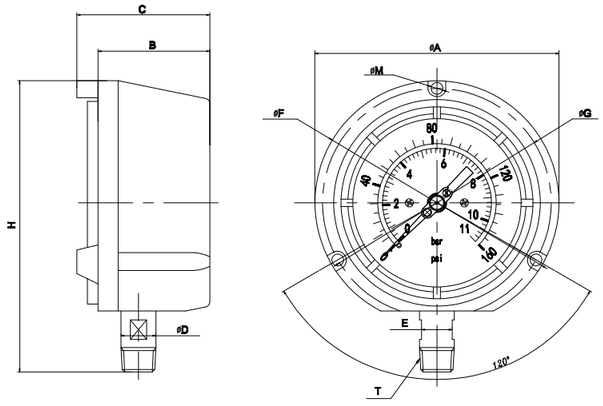
119A Series Pressure Gauge

Features



- Nominal size: 4.5” (115mm);
- Case: PPE black or phenolic;
- Bezel ring: PP;
- Process connection: stainless steel;
- Thread: 1/4”,3/8”,1/2”,NPT,BSP,BSPT,optional;
- Pressure element(bourdon tube): stainless steel;
- Mount type: lower mount (LM) or lower back (LBM);
- Movement: stainless steel;
- Window: Safety glass or tempered glass;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Accuracy class: 1.0%， 0.5%;
- Scale ranges: Vacuum to 0 ... 1000 bar;
- Pressure limitation: Steady: Full scale value； Fluctuating: 0.9 x full scale value;
  Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –40 ... +60℃ without liquid filling –20 ... +60℃
  gauges with glycerine filling;
- Medium: +200℃ maximum without liquid filling;
- Temperature effect: When the temperature of the measuring system deviates from the
  reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



119AL

mm / size	A	B	C	D	E	F	G	H	M	T
115	153.0	74.0	83.5	21.5	19.0	153.0	137.0	181.5	6.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
119AL	115	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

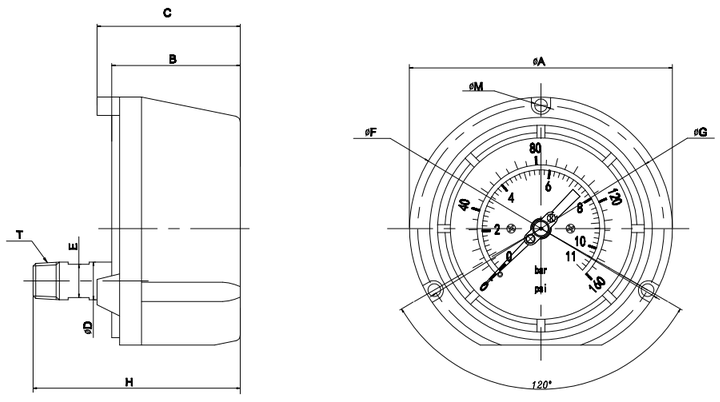
119A Series Pressure Gauge

Features



- Nominal size: 4.5” (115mm);
- Case: PPE black or phenolic;
- Bezel ring: PP;
- Process connection: stainless steel;
- Thread:1/4”,3/8”,1/2”,NPT,BSP,BSPT,optional;
- Pressure element(bourdon tube): stainless steel;
- Mount type: lower mount (LM) or lower back (LBM);
- Movement: stainless steel;
- Window: Safety glass or tempered glass;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Accuracy class: 1.0%， 0.5%;
- Scale ranges: Vacuum to 0 ... 1000 bar;
- Pressure limitation: Steady: Full scale value； Fluctuating: 0.9 x full scale value;
  Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –40 ... +60℃ without liquid filling –20 ... +60℃
  gauges with glycerine filling;
- Medium: +200℃ maximum without liquid filling;
- Temperature effect: When the temperature of the measuring system deviates from the
  reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



119AB

mm / size	A	B	C	D	E	F	G	H	M	T
115	153.0	75.0	118.0	21.5	19.0	153.0	137.0	118.0	6.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
119AB	115	1/4",3/8",1/2,BSP,NPT,BSPT or customized	Lower back	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

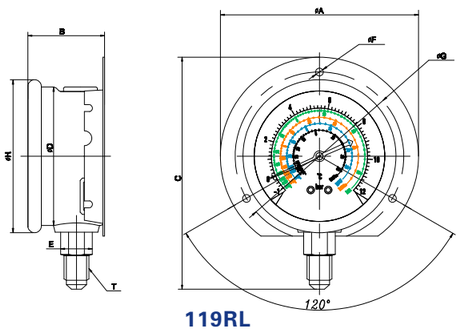
241FG Series Pressure Gauge

Features



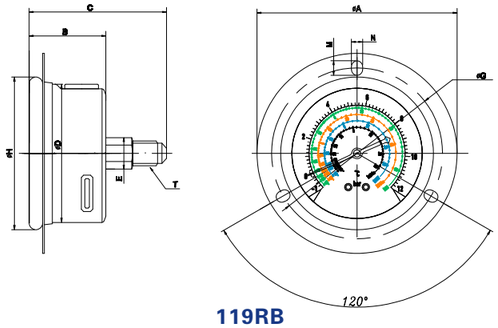
- Nominal size: 2.5” (63mm),3” (75mm),4” (100mm);
- Case: polished or matte stainless steel;
- Bezel ring: Crimp ring or bayonet bezel;
- Window: Poly–carbonate;
- Process connection: Copper alloy lower mount with back flange or back mount with front flange;
- Pressure element(bourdon tube): Copper alloy C–type;
- Thread: 7/16–20UNF,1/4” SAE;
- Movement: Copper alloy;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Window: Poly–carbonate;
- Filling liquid: Glycerine or silicone;
- Accuracy class: ±1.6%;
- Scale ranges: –1 ... 18bar,–1 ... 38bar,–1 ... 50bar and the relevant range;
- Refrigerant: R22,R134A,R404A,R407C,R507C,R452A,R448A,R449A,R410A;
- Pressure limitation: Steady: Full scale value; Fluctuating: 0.9 x full scale value; Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum.

Installation Data



119RL

mm / size	A	B	C	D	E	F	G	T
63	88.0	32.0	91.5	62.0	14.0	3.5	74.5	7/16"



119RB

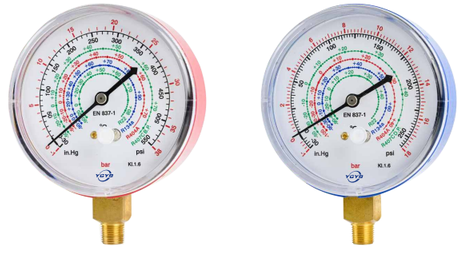
mm / size	A	B	C	D	H	G	M	N	E	T
63	89.0	32.0	59.0	61.5	68.0	76.0	6.5	4.5	14.0	7/16"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
119RL	63	1/4” SAE, optional	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar,50bar
119RL	75	1/4” SAE, optional	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar,50bar
119RL	100	1/4” SAE, optional	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar,50bar
119RB	63	1/4” SAE, optional	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar,50bar
119RB	75	1/4” SAE, optional	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar,50bar
119RB	100	1/4” SAE, optional	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar,50bar

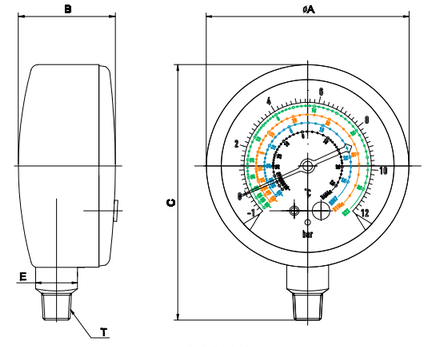
241FD Series Pressure Gauge

Features



- Nominal size: 63mm,80mm;
- Case: Steel, blue/red painting;
- Bezel: no bezel;
- Thread: 1/4” SAE, 1/8NPT,optional;
- Process connection: Brass;
- Mount: Bottom mount;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic or glass;
- Accuracy class: ±1.6%;
- Scale ranges: –1–18bar/psi,–1–38bar/psi;
- Refrigerant: R22, 134A, 407C, 404A;
- Pressure limitation: Steady: Full scale value; Fluctuating: 0.9 x full scale value; Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –40 ... +60℃ without liquid filling –20 ... +60℃ gauges with glycerine filling;
- Medium: +200℃ maximum without liquid filling;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

Installation Data



119RD

mm / size	A	B	C	E	T
63	68.0	32.0	86.0	14.0	1/8"
80	80.5	33.5	102.0	14.0	1/8"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
119RD	63	1/4” SAE, 1/8NPT,optional	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar
119RD	80	1/4” SAE, 1/8NPT,optional	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 18bar,38bar

251A Series Pressure Gauge

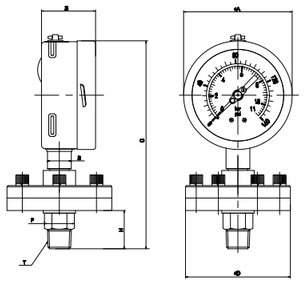
Diaphragm seal systems are used to protect the pressure measuring instrument from aggressive, adhesive, corrosive, highly viscous,crystallising,environmentally hazardous or toxic media. The diaphragm made of stainless steel or PTFE provides for the separation from the medium. The pressure is transmitted to the measuring instrument via the system fill fluid which is inside the Diaphragm seal system.

Features



- Nominal size: 2.5”（63mm),4”（100mm),6.0”（150mm);
- Case: Matte or polished stainless steel;
- Bezel: Bayonet bezel;
- Process connection: stainless steel;
- Pressure element(bourdon tube): stainless steel;
- Mount type: lower mount (LM) or back mount (BM);
- Movement: stainless steel;
- Window: Safety glass or tempered glass;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Filling liquid: Glycerine or silicone;
- Accuracy class: ± 1.0%, ± 1.6%;
- Scale ranges: Vacuum to 0 ... 400 bar;
- Diaphragm seals: stainless steel, 3/8”,1/2”,BSP,NPT optional;
- Pressure limitation: Steady: Full scale value; Fluctuating: 0.9 x full scale value; Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –40 ... +60℃ without liquid filling –20 ... +60℃ gauges with glycerine filling; Medium: +200℃ maximum without liquid filling +100℃maximum with liquid filling;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



251AL

size \ mm	A	B	C	D	E	F	H	T
100	101.0	49.5	199.0	97.0	22.0	Hex24.0	38.5	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
251AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
251AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
251AL	150	3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
251AB	63	1/8,1/4",BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
251AB	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar
251AB	150	3/8",1/2,BSP,NPT,BSPT or customized	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

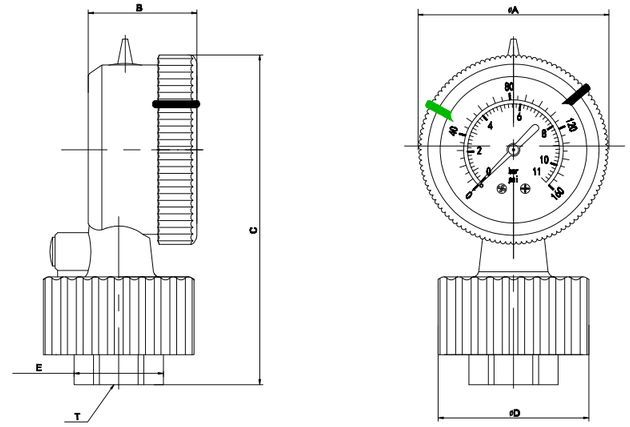
251PP Series Pressure Gauge

Features



- Nominal size: 2.5”（63mm);
- Case: PP;
- Bezel: PP;
- Thread: 1/2BSP female;
- Process connection: PP;
- Mount Type: bottom mount or back mount;
- Pressure element: Copper alloy;
- Movement: Copper alloy;
- Dial: Aluminum,customized dial scale;
- Pointer: Aluminum, Black or white;
- Window: Plastic;
- Accuracy class: ± 2.5%;
- Scale ranges: 0 to 16bar(230psi);
- Liquid filled: Glycerine or Silicone oil;
- Pressure limitation: Steady: 3/4 x full scale value; Fluctuating: 2/3 x full scale value; Short time: Full scale value;
- Permissible temperature: Ambient: –20 ... +60℃; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ± 0.4%/10 K of the span.

Installation Data



251PP

size \ mm	A	B	C	D	E	T
63	72.8	42.0	127.0	58.0	Hex31.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
251PP	63	1/2BSP female	bottom	bar,psi,kg/cm2,MPa,kPa	0 to 16bar

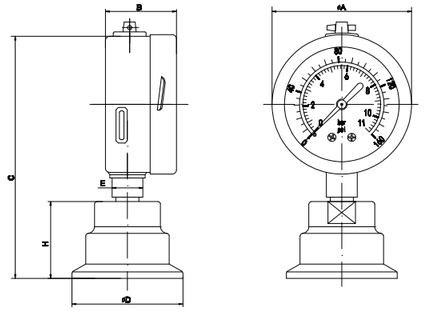
251S Series Pressure Gauge

Features



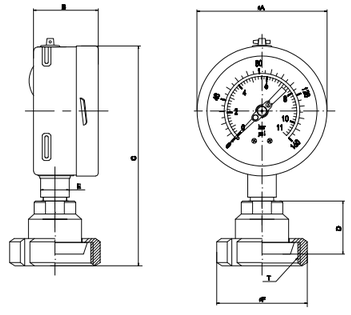
- Nominal size: 2.5” (63mm),4” (100mm),6” (150mm);
- Case: Matte or polished stainless steel;
- Bezel: Bayonet bezel;
- Process connection: stainless steel;
- Pressure element(bourdon tube): stainless steel;
- Mount type: lower mount (LM) or back mount (BM);
- Movement: stainless steel;
- Window: Safety glass or tempered glass;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Filling liquid: Glycerine or silicone;
- Accuracy class: ±1.0%, ±1.6%;
- Scale ranges: Vacuum to 0 ... 40 bar;
- Sanitary diaphragm seals: Tri–clamp,DIN,IDF,SMS,RJT;
- Pressure limitation: Steady: Full scale value; Fluctuating: 0.9 x full scale value; Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –40 ... +60℃ without liquid filling –20 ... +60℃ gauges with glycerine filling; Medium: +200℃ maximum without liquid filling +100℃ maximum with liquid filling;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

Installation Data



251SL–1

mm / size	A	B	C	D	E	H
63	63.5	32.0	111.5	50.5	14.0	35.0



251SL–2

mm / size	A	B	C	D	E	F	T
100	101.0	48.5	170.0	41.0	22.0	70.0	RD 58X1/6

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
251SL	63	1.5",2",Tri–clamp,DIN,IDF,SMS,RJT	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 40bar
251SL	100	1.5",2",Tri–clamp,DIN,IDF,SMS,RJT	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 40bar
251SL	150	1.5",2",Tri–clamp,DIN,IDF,SMS,RJT	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 40bar
251SB	63	1.5",2",Tri–clamp,DIN,IDF,SMS,RJT	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 40bar
251SB	100	1.5",2",Tri–clamp,DIN,IDF,SMS,RJT	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 40bar
251SB	150	1.5",2",Tri–clamp,DIN,IDF,SMS,RJT	back	bar,psi,kg/cm2,MPa,kPa	vaccum to 40bar

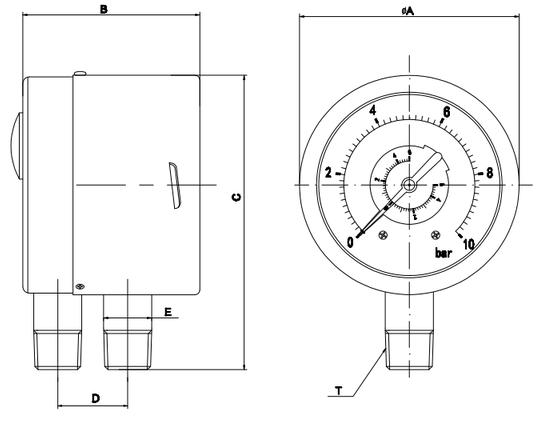
261A Series Pressure Gauge

Features



- 2 independent measuring systems;
- Nominal size: 4” (100);
- Case: matte or polished stainless steel;
- Bezel ring: stainless steel bayonet bezel;
- Process connection: stainless steel;
- Thread: 3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Pressure element(bourdon tube): stainless steel;
- Mount type: lower mount (LM);
- Movement: stainless steel;
- Window: Safety glass or tempered glass;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Accuracy class: 1.6%;
- Scale ranges: 0 ... 1 to 0 ... 400 bar ;
- Pressure limitation: Steady: full scale value; Fluctuating: 0.9 x full scale value; Short time: 1.3 x full scale value;
- Permissible temperature:Ambient: –20 ... +60℃ ; Medium: +60℃ maximum;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

Installation Data



261AL

mm / size	A	B	C	D	E	T
100	101.0	81.0	134.5	32.0	22.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
261AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 400bar

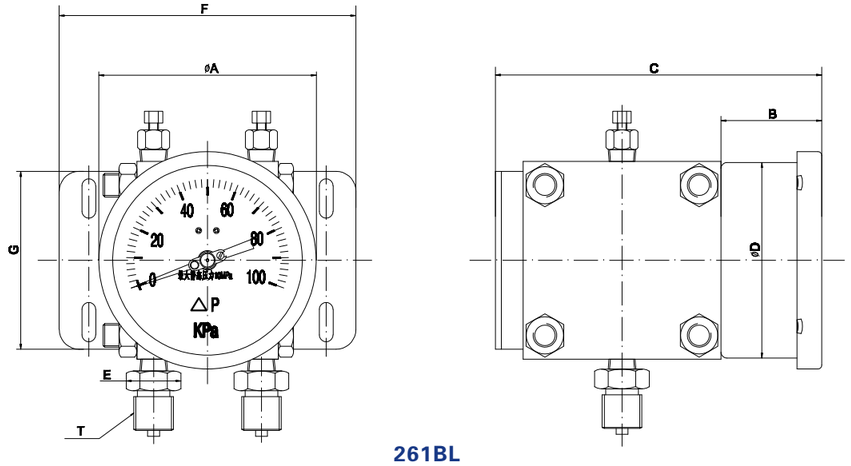
261BL Series Pressure Gauge

Features

- Dial size: 100mm, 150mm;
- Case materials: 304 stainless steel (316SS Optional);
- Process connection materials: 316 Stainless steel;
- Diaphragm materials: 316L for negative pressure/316Ti for positive pressure;
- Movement materials: 304 stainless steel;
- Dial: aluminum;
- Pointer: aluminum, black, micro adjustable;
- Window: laminated safety glass;
- Protection: IP65;
- Steady: Full scale value;
- Fluctuating: 0.7*Full scale;
- Overpressure protection: both ends support 10 Mpa;
- Operate temperature: – 20℃~ 60℃ ;
- Thermal drift: ±0.8% every ±10℃ of media temperature;
- Pressure range: 0–16kpa...25bar;
- Connection: M20*1.5,1/2” G,1/2NPT or customized.



Installation Data



261BL

mm / size	A	B	C	D	E	F	G	T
100	110.0	51.0	165.0	99.0	HeX24.0	150	90.0	1/2"

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
261BL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	0–0.16bar to 25bar
261BL	150	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	0–0.16bar to 25bar

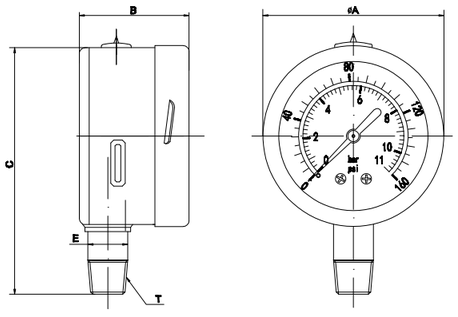
271A Series Pressure Gauge

Features

- Nominal size: 2.5” (63mm), 4” (100mm),6” (160mm);
- Case: Matte or polished stainless steel, Solid front and blow out back;
- Bezel: Bayonet bezel;
- Process connection: stainless steel;
- Thread: 1/4” ,3/8” ,1/2” ,NPT,BSP,BSPT,optional;
- Pressure element(bourdon tube): stainless steel;
- Mount type: lower mount (LM) or back mount (BM);
- Movement: stainless steel;
- Window: Safety glass or tempered glass;
- Dial: Aluminum, dial scale can be customized;
- Pointer: Aluminum, black or white;
- Accuracy class: ±1.0%, ±1.6%;
- Scale ranges: Vacuum to 0 ... 1000 bar;
- Pressure limitation: Steady: Full scale value; Fluctuating: 0.9 x full scale value; Short time: 1.3 x full scale value;
- Permissible temperature: Ambient: –40 ... +60℃ without liquid filling –20 ... +60℃ gauges with glycerine filling; Medium: +200℃ maximum without liquid filling +100℃ maximum with liquid filling;
- Temperature effect: When the temperature of the measuring system deviates from the reference temperature (+20℃): max. ±0.4%/10 K of the span.

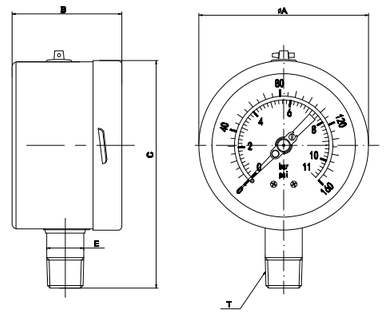


Installation Data



271AL

mm / size	A	B	C	E	T
63	63.5	38.5	87.5	14.0	1/4"



271AL

mm / size	A	B	C	E	T
100	101.0	65.0	136.0	22.0	1/2"
160	161.0	73.5	203.5	22.0	1/2"

MODEL NUMBER

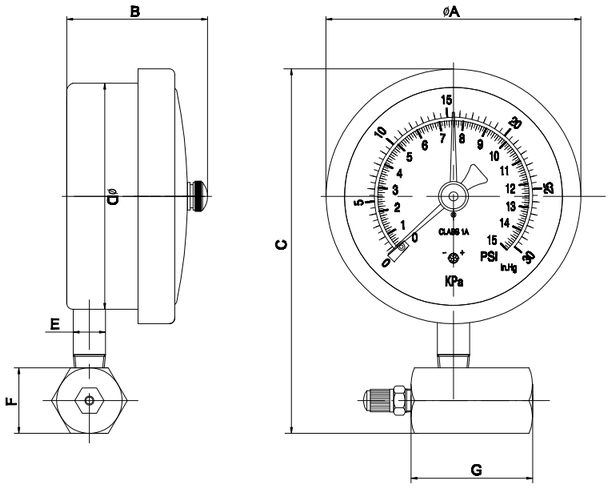
Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
271AL	63	1/8,1/4",BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
271AL	100	1/4",3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar
271AL	160	3/8",1/2,BSP,NPT,BSPT or customized	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

Features



- Nominal size: 4.0” (100mm);
- Case: Stainless steel or black steel;
- Bezel: If black steel ,needed;
- Window: Plastic window with adjustable red pointer;
- Process connection: Brass;
- Pressure element: Brass;
- Movement: Copper alloy;
- Dial: Aluminum,black or white;
- Pointer: Aluminum,black or white;
- Scale range: 5 psi or 15 psi;
- Pressure limitation: Steady:3/4 x full scale value;
  Fluctating:2/3xfull scale value;
  Short time:full range value;
- Permissible temperature: Ambient:–20...+60℃;
  Medium: +60℃ maximum;
- Temperature effect: when the temperature of the measuring system deviates from the reference.

Installation Data



218

mm / size	A	B	C	D	E	F	G
100	110.5	61.5	160.0	99.0	14.0	28.6	51.0

MODEL NUMBER

Part No.	Dial Size	Connection/Thread	Mount type	Pressure Unit	Range Optional
218	100	3/4FNPT	bottom	bar,psi,kg/cm2,MPa,kPa	vaccum to 1000bar

ACCESSORY


AC001


AC002


AC003


AC004


AC005


AC006


AC007


AC008



AC009


AC010


AC011


AC012

SPARE PARTS


SP001


SP002

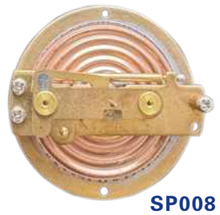

SP003


SP004


SP005


SP006


SP007


SP008

亿格仪表
YGAUGES

CONTACT US

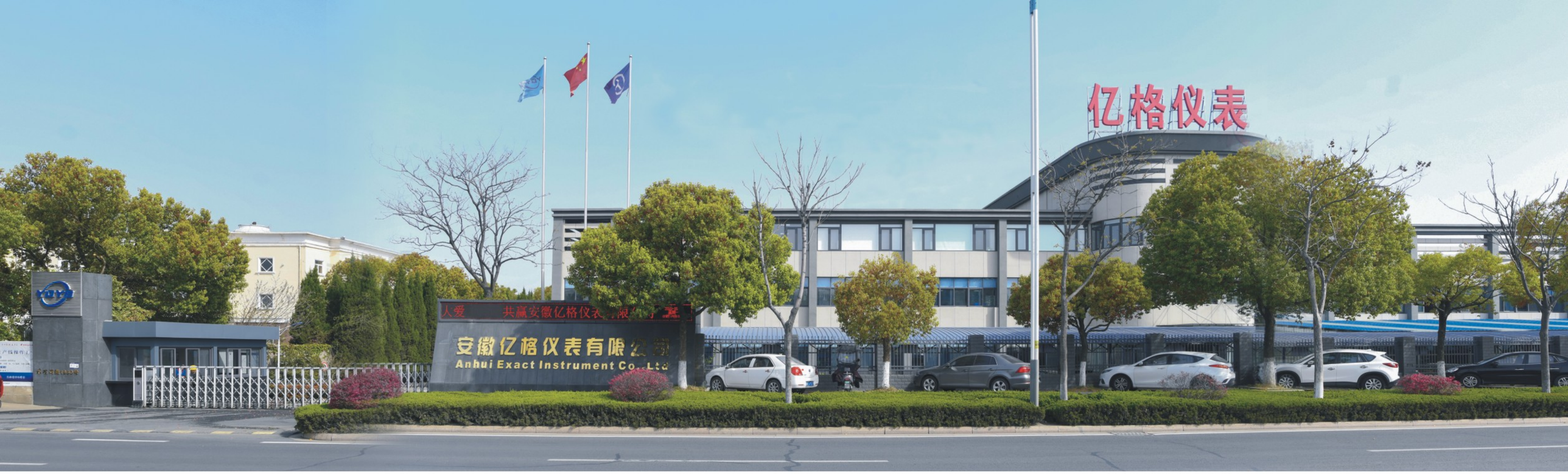
Address: Cai shi river road 1950, Economic development zone,
Ma Anshan city, Anhui province, China
Postal Code: 243000
Email: exact@exactinstru.com
Website: www.exactinstru.com
Fax: 0555-2103807
Tel: 0555-2103806

亿格仪表
YGAUGES

YGAUGES
INSTRUMENT



ANHUI EXACT INSTRUMENT CO.,LTD



COMPANY PROFILE

An Hui Exact Instrument Co., Ltd. is an international instrument manufacturer located in the national high-tech development zone of Ma' anshan City, Anhui Province, adjacent to Nanjing, Jiangsu Province. Founded in 2003, our company covers an area of 12,000 square meters and boasts advanced production, testing, and inspection equipment, as well as a professional management and technical team comprising over 200 employees. We operate 8 production lines with a designed daily output of 20,000 instruments. With diversified products, quality services, and extensive sales channels, we have become one of China' s major manufacturers and exporters of instruments and meters.

Our company specializes in the design, production, and sale of instruments, instrument tubes, valves, and other related products. Our leading products include various pressure transmitter such as Universal pressure transmitter、Differential pressure transmitter、Diaphragm pressure transmitter、Mini pressure transmitter、Intelligent pressure transmitter、Intelligent differential pressure transmitter、Immersion level gauge transmitter、Digital pressure gauge. Products are widely used in industries and fields such as petroleum, chemical, environmental protection, medical, metallurgy, electric power, energy, manufacturing, and food processing. To meet market demands, we are committed to researching and developing new products.

In 2005, our company obtained ISO9001 management system certification. To meet various customer needs, we can provide users with products according to different standards, such as Chinese GB, Japanese JIS standards, European DN standards, American ANSI standards, and more. We also provide high-quality, low-cost OEM pressure gauges, thermometers, and accessories for many customers. With the principles of "quality products, reasonable prices, and satisfactory services," our company' s international sales market continues to expand, with products exported to countries and regions such as the United States, Canada, Spain, the United Kingdom, Europe, South America, the Middle East, and Southeast Asia.


Certificate of Registration
An Hui Exact Instrument Co., Ltd.
Quality Management System
ISO 9001:2015

Since its establishment, our company has always adhered to the corporate spirit of "continuous innovation, diligence rewarded by heaven" and the sales philosophy that "win-win is the goal, and service is the foundation." Following the work policy of "improving technology, focusing on quality, strengthening sales, and reducing consumption and increasing efficiency," all YGAUGES employees are ready to provide customers with higher quality products and dedicated services.


Certificate of Compliance

We sincerely welcome domestic and foreign customers to visit and guide us.

YGAUGES INSTRUMENT WILL BUILD A CENTURY OLD GLOBAL BRAND



QUALIFICATION CERTIFICATE

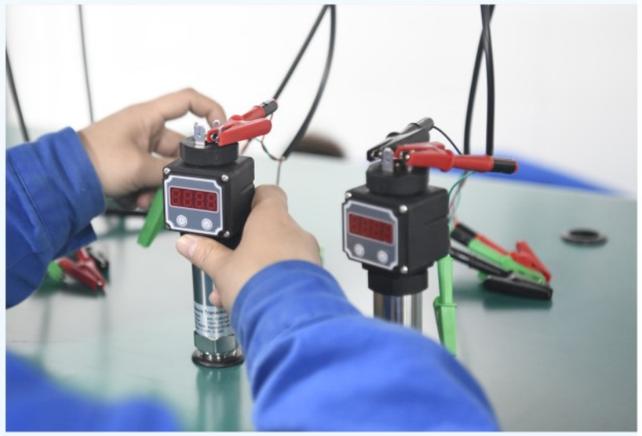










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YG201 Universal pressure transmitter ---------- 01

YG201 Differential pressure transmitter ---------- 02

YG201 Diaphragm pressure transmitter ---------- 03

YG201 High temperature pressure transmitter ---------- 04

YG201 Mini pressure transmitter ---------- 05–06

YG202 All stainless steel universal pressure transmitter ---------- 07

YG202 All stainless steel differential pressure transmitter ---------- 08

YG202 All stainless steel diaphragm pressure transmitter ---------- 09

YG202 All stainless steel high temperature pressure transmitter ---------- 10

YG210 Diaphragm pressure transmitter ---------- 11–12

YG22X Intelligent pressure transmitter ---------- 13

YG22X Intelligent differential pressure transmitter ---------- 14

YG22X Immersion level gauge transmitter ---------- 15

YG301 Digital pressure gauge ---------- 16

YG201-TKX

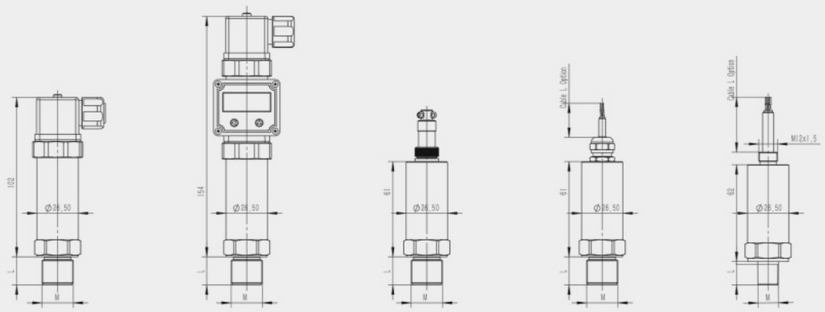
YG201-TKX pressure transmitter adopts international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification, stainless steel sealing structure. It can have a variety of signal outputs, wide range measurement range, and long-term stability General transmitters, which are widely used in automation control, constant pressure water supply, pump valves, hydraulic systems, construction machinery, agricultural machinery, steel and energy industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100Mpa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection:see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC/ Ex



PRODUCT DIMENSION



TK0 TK1 TK2 TK3 TK5

PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	15	15	15	Option

Electrical connection	DIN 43650A	GX12/M12x1	PG7 Cable L	M12x1 .5 Cable L
PIN	4-PIN	4-PIN	RVV 0 .3x*xL	RVV 0 .3x*xL

YG201-DKX

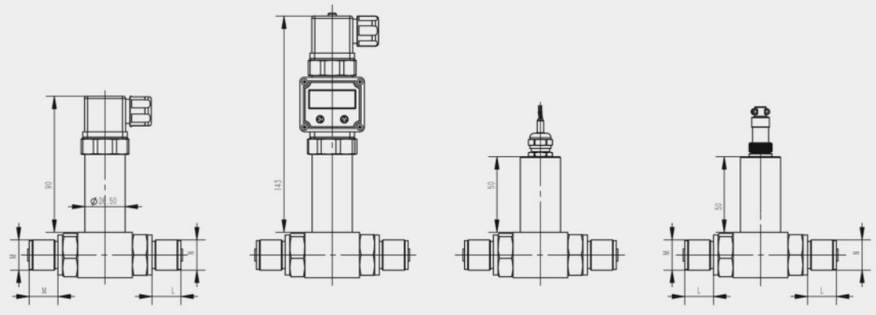
YG201-DKX pressure transmitter is an economical differential pressure transmitter that adopts international advanced piezoresistive differential pressure sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification adopts stainless steel sealing structure, can have a variety of signal outputs, long-term stability is good, widely used in automation control, food processing and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-10Mpa（page 17, Table 1）
3. Pressure measurement type: DP
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.54.5V(Option)
9. Electrical connection:see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80° C
    Humidity：5-100%RH
13. Certification: CE/EMC/Explosion-proof Ex



PRODUCT DIMENSION



DK3 DK0 DK1 DK2

PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
N	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	DIN 43650A	GX12/M12x1	PG7 Cable L
PIN	4-PIN	4-PIN	RVV 0 .3x*xL

YG201-GKX

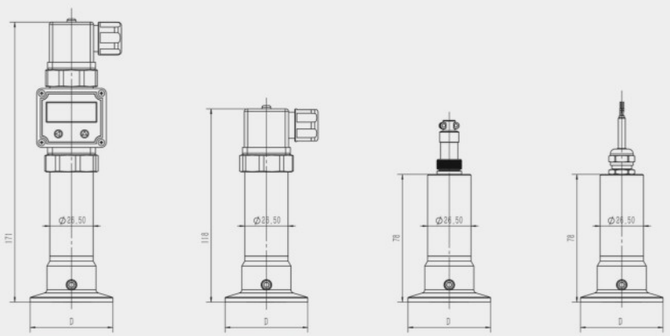
YG201-GKX diaphragm pressure transmitter is a diaphragm pressure transmitter with international advanced piezoresistive differential pressure sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification, stainless steel sealing structure, can have a variety of signal outputs diaphragm pressure transmitter, long-term stability is good, widely used in automation control, food processing, chemical and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP (Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS (Option)
5. Display: None/LCD/LED (Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection:see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

Electrical connection	DIN 43650A	GX12/M12x1	PG7 Cable L
PIN	4-PIN	4-PIN	RVV 0 .3x*xL

YG201-HKX

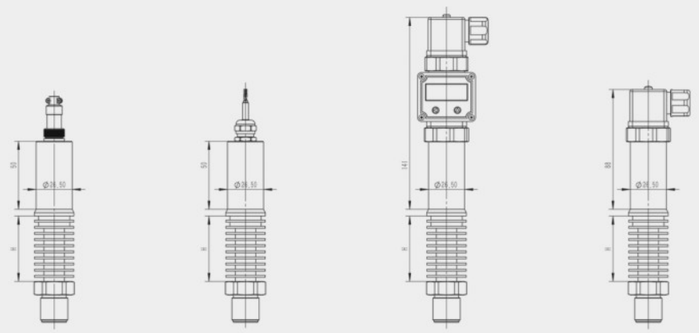
YG201-HKX high temperature pressure transmitter is a high-temperature pressure transmitter with international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification with stainless steel sealing structure, can have a variety of signal outputs of high temperature pressure transmitter, long-term stability is good, widely used in automation control, food processing, steam pipeline and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection:see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	DIN 43650A	GX12/M12x1	PG7 Cable L
PIN	4-PIN	4-PIN	RVV 0 .3x*xL

YG201-WKX

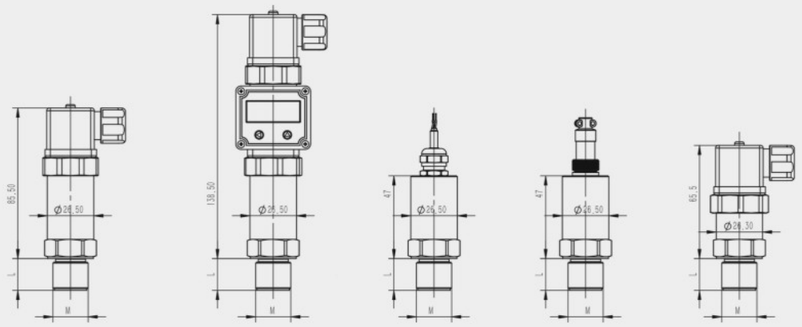
YG201-WKX small pressure transmitter is a small pressure transmitter that adopts international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification adopts stainless steel seal structure, can have a variety of signal outputs, long-term stability is good, widely used in automation control, constant pressure water supply, pump valve, hydraulic system, construction machinery, agricultural machinery, steel and energy and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output: 4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection:see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60° C
    Storage temperature：-40-80° C
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	DIN 43650A	GX12/M12x1	PG7 Cable L
PIN	4-PIN	4-PIN	RVV 0 .3x*xL

YG201-WTX

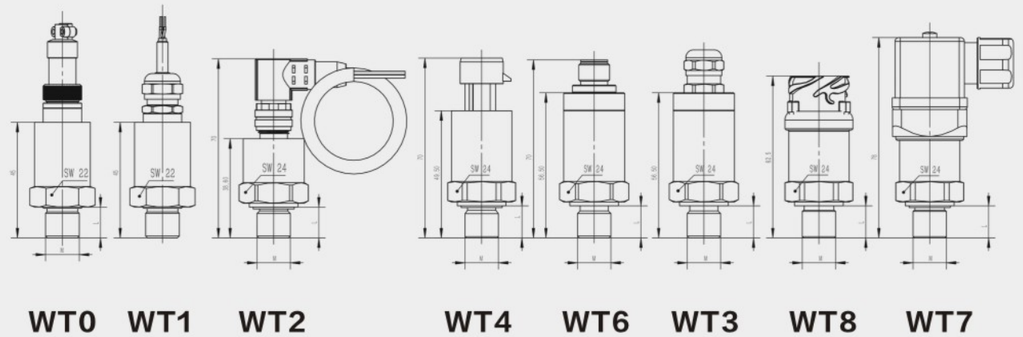
YG201-WTX small pressure transmitter is a small pressure transmitter with international advanced piezoresistive ceramic sensor, built-in anti-interference amplification circuit, stable and reliable performance, good EMC performance, CE certification with stainless steel sealing structure, rich electrical connection interfaces, analog signal output, long-term stability, economical, widely used in automation control, constant pressure water supply, pump valves, hydraulic systems, construction machinery, agricultural machinery, steel and energy and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range: 5kPa-50Mpa（page18, Table3）
3. Pressure measurement type: GP
4. Accuracy:0.5%FS/1.0%FS(Option)
5. Display: None
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see photo below
10. Connection：see photo below
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-40-80℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	DIN 43650A	GX12/M12x1	PG7 Cable L	Packard	DJ3032Y-2 .5
PIN	4-PIN	4-PIN	RVV 0 .3x*xL	3-PIN	4-PIN

YG202-TKX

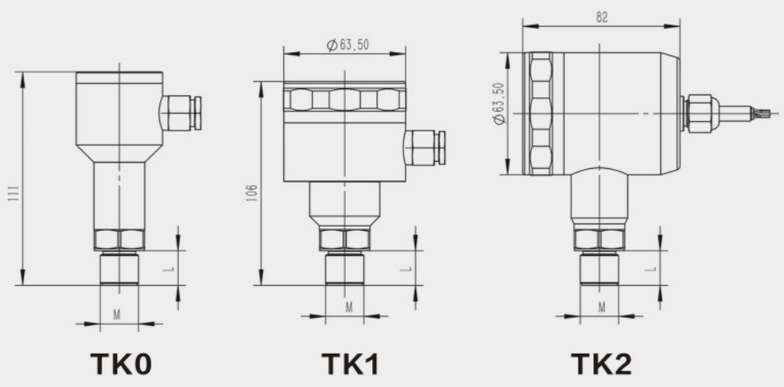
YG202-TKX all-stainless steel universal pressure transmitter is a universal pressure transmitter that adopts international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification, all-stainless steel sealing structure, can have a variety of signal outputs of general-purpose pressure transmitter, long-term stability is good, widely used in automation control, food processing, chemical and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	Cable L
Connector	RVV/RVVP 0.3x*xL

YG202-DKX

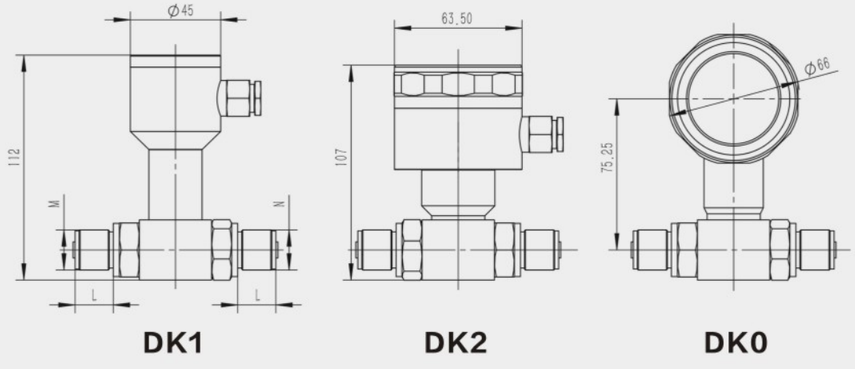
YG202-DKX differential pressure transmitter is a differential pressure transmitter with international advanced piezoresistive differential pressure sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, in line with CE certification, using all-stainless steel sealed structure, can have a variety of signal outputs differential pressure transmitter, long-term stability is good, widely used in automation control, food processing and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-10Mpa（page 17, Table 1）
3. Pressure measurement type: DP
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
N	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	Cable L
Connector	RVV/RVVP 0.3x*xL

YG202-GKX

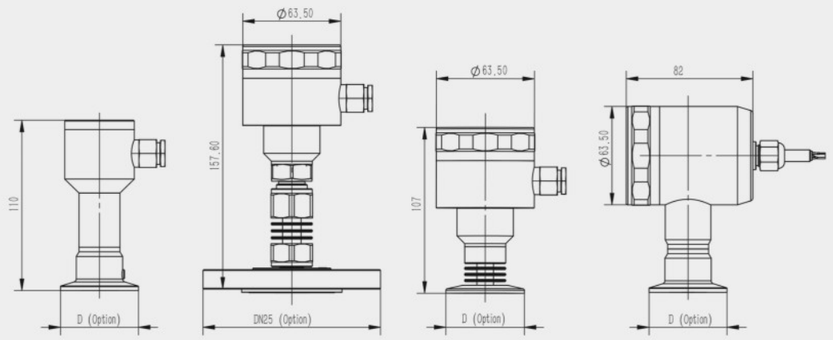
YG202-GKX diaphragm pressure transmitter is a diaphragm pressure transmitter that adopts international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification, using all-stainless steel sealing structure, can have a variety of signal outputs diaphragm pressure transmitter, long-term stability is good, widely used in automation control, food processing, chemical and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100Mpa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip65
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



GK0 GK1 GK2 GK3-J

PARAMETER TABLE

Electrical connection	Cable L
Connector	RVV/RVVP 0.3x*xL

YG202-HKX

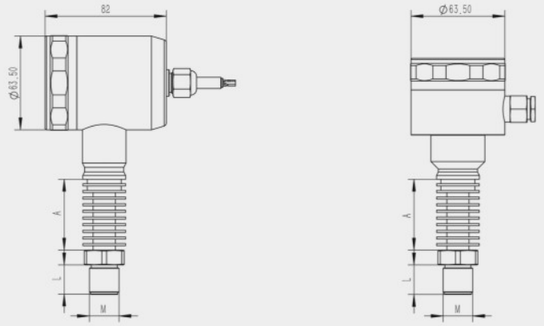
YG202-HKX high temperature pressure transmitter is a high-temperature pressure transmitter with international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, CE certification, all-stainless steel sealing structure, high temperature pressure transmitter that can have a variety of signal outputs, good long-term stability, widely used in automation control, food processing, various industrial pipelines, steam pipelines and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: SUS304
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip67
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



HK0 HK1

PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	Cable L
Connector	RVV/RVVP 0.3x*xL

YG210-GKX

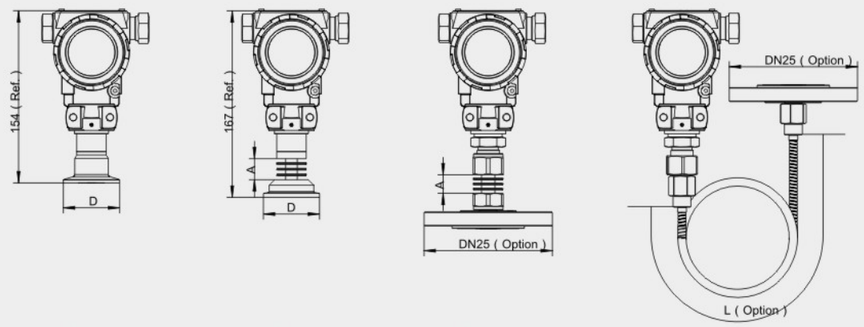
YG210-GKX diaphragm pressure transmitter is a diaphragm pressure transmitter that adopts international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, in line with CE certification, using 2088 shell, shell sealed, can have a variety of signal outputs diaphragm pressure transmitter, long-term stability is good, widely used in automation control, food processing, chemical and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: LCD/LED(Option)
6. Housing material: 2088 ADC12
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip67
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC/Ex



PRODUCT DIMENSION



GK0　GK1　GK2　GK3

PARAMETER TABLE

Electrical connection	Cable L
Connector	RVV/RVVP 0.3x*xL

YG210-T/H/DKX

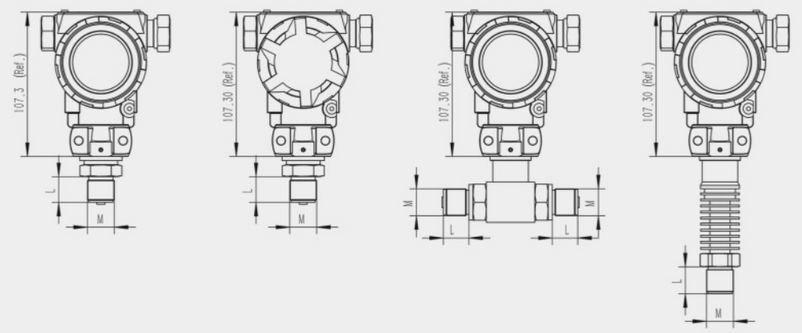
YG210-T/H/DKX pressure transmitter is a diaphragm pressure transmitter that adopts international advanced piezoresistive sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance, good EMC performance, in line with CE certification, using 2088 housing, housing seal, can have a variety of signal outputs diaphragm pressure transmitter, long-term stability is good, widely used in automation control, food processing, chemical and other industries.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP/DP(Option)
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD/LED(Option)
6. Housing material: 2088 ADC12
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip67
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



TK0　TK1　DK0　HK0

PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	M20x1.5
Connector	4-PIN

YG22X-TDX

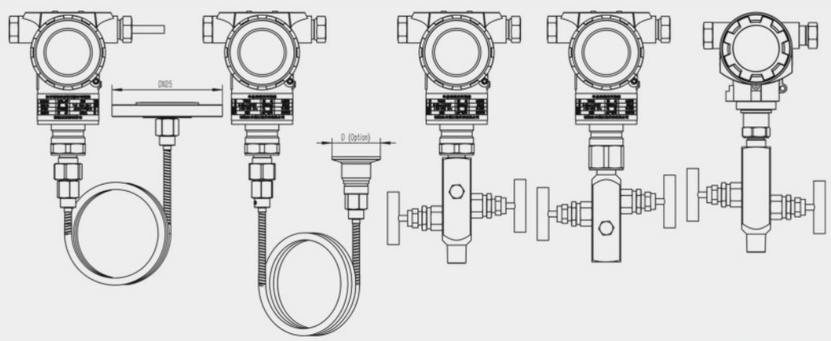
YG22X-TDX pressure transmitter is an international advanced monocrystalline silicon sensing technology, built-in anti-interference amplification circuit, small temperature drift, high precision, stable and reliable performance EMC performance is good, in line with CE certification, using 2088 shell, shell sealed, can have a variety of signal outputs, with explosion-proof certification intelligent pressure transmitter, widely used in automation control, food processing, chemical and other industries.

Technical requirements



1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:0-40Ma （pgae 18, Table2）
3. Pressure measurement type: GP/AP(Option)
4. Accuracy:0.075%FS/0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: LCD
6. Housing material: 3051 ADC12
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Pressure sensor: Monocrystalline Silicon
12. Protection Grade: Ip67
13. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
14. Certification: CE/EMC/Ex db IIC T6 Gb

PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	Cable L
Connector	RVV/RVVP 0 .3x*xL

YG22X-DDX

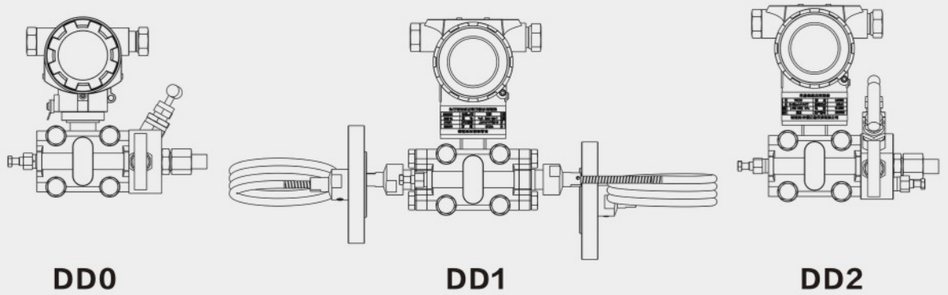
YG22X-DDX pressure transmitter is an intelligent pressure transmitter with explosion-proof certification, which is widely used in automation control, food processing, chemical and other industries.

Technical requirements



1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts. Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-10MPa （pgae 18, Table2）
3. Pressure measurement type: DP
4. Accuracy: 0.075%FS/0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: LCD
6. Housing material: 3051 ADC12
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/0-10V/0.5-4.5V (Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
10. Pressure sensor: Monocrystalline Silicon
11. Protection Grade: Ip67
12. Working conditions：Operating temperature：-20-60℃
    Storage temperature：-40-80℃
    Humidity：5-100%RH
13. Certification: CE/EMC/Ex db IIC T6 Gb

PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	M20x1.5
Connector	3/4PIN

YG2XX-YKX

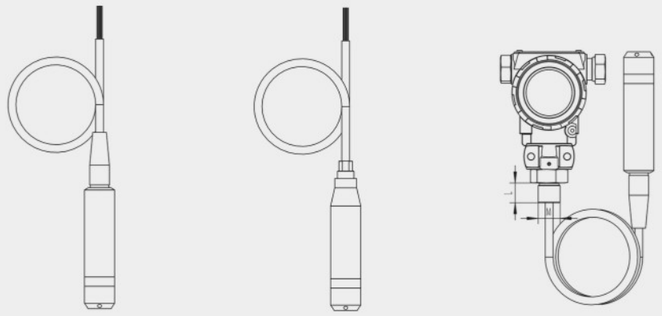
YG2XX-YKX liquid level transmitter is a product with special structure and purpose, high precision, small size, good stability, with wear-resistant, oil-resistant, acid-alkali resistance, high-strength air conduction cable, so that it can meet the input level measurement site for various special purposes. It is widely used for the treatment of sewage, river water and river water, and the hydrological monitoring of canals, large rivers, large rivers, reservoirs, lakes, coasts and geology.

Technical requirements

1. Measuring medium: liquids that are incompatible with the wetted parts.Fluids compatible with fittings
2. Pressure range:0kPa-10MPa（page 17, Table 1）
3. Pressure measurement type: GP
4. Accuracy:0.1%FS/0.2%FS/0.5%FS(Option)
5. Display: None/LCD(Option)
6. Housing material: SUS304/2088 (Option)
7. Power supply: 10-30VDC
8. Output:4-20mA/RS485/Hart/0-5V/ 0-10V/0.5-4.5V(Option)
9. Electrical connection: see parameter table
10. Connection：see parameter table
11. Protection Grade: Ip67
12. Working conditions：Operating temperature：-20-60℃ Storage temperature：-40-80℃ Humidity：5-100%RH
13. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	Option
L	18	18	18	18	12	12	12	Option

Electrical connection	Cable L
Connector	RVV/RVVP 0.3x*xL

YG301-XXX

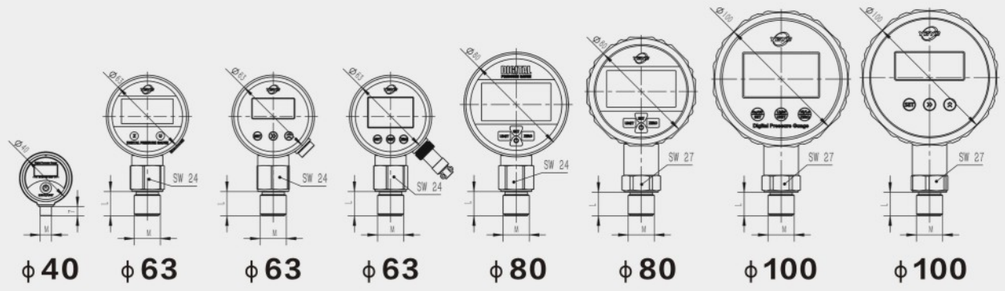
YG301-XXX is a high-precision digital pressure gauge, built-in high-precision pressure sensor, real-time display of pressure, and has the characteristics of high accuracy, low power consumption, good long-term stability, large-size LCD liquid crystal display, with zeroing, backlight, power on/off, unit switching, low voltage alarm, extreme value recording and other functions, simple operation, easy to install. The product adopts 304 stainless steel shell and joint, which has good seismic resistance and is widely used in on-site pressure measurement in industry and agriculture, chemical industry, and food processing.

Technical requirements

1. Measuring medium: gases,liquids and gas-liquid mixtures that are incompatible with the wetted parts.Compatible gases, liquids and gas-liquid mixtures with fittings
2. Pressure range:-100kPa-100MPa（page 17, Table 1）
3. Pressure measurement type: GP/AP/DP/CP(Option)
4. Accuracy: 0.1%FS；0.2%FS；0.5%FS；(Option)
5. Display: LCD/LED(Option)
6. Housing: Ø100/Ø80/Ø63/Ø40
7. Power supply: Battery/10-30VDC
8. Electrical connection: see parameter table
9. Connection：see parameter table
10. Protection Grade: Ip65
11. Working conditions：Operating temperature：-20-60℃ Storage temperature：-40-80℃ Humidity：5-100%RH
12. Certification: CE/EMC



PRODUCT DIMENSION



PARAMETER TABLE

M	M20x1.5	G-1/2	1/2-NPT	1/2-PT	G-1/4	1/4-NPT	1/4-PT	M8x0.75	Option
L	18	18	18	18	15	15	15	7	Option

Sensors: Sensor options include: diffusion silicon sensor, monocrystalline silicon and ceramic, and the corresponding pressure range is as follows

Notes: 1. Gauge Pressure (G), Compound Pressure (C), Absolute Pressure (A), Differential Pressure (P)

Table 1

Range Code	Pressure Range	Unit	Pressure Type	Overload Pressure	Burst Pressure
K00	0–10	kPa	A，G，D	300%FS	600%FS
K01	0–20	kPa	A，G，D	300%FS	600%FS
K02	0–35	kPa	A，G，D	300%FS	600%FS
K03	0–70	kPa	A，G，D	300%FS	600%FS
K04	0–100	kPa	A，G，D	200%FS	500%FS
K05	0–250	kPa	A，G，D	200%FS	500%FS
K06	0–400	kPa	A，G，D	200%FS	500%FS
K07	0–600	kPa	A，G，D	200%FS	500%FS
K08	0–1	MPa	A，G，D	200%FS	500%FS
K09	0–1.6	MPa	A，G，D	200%FS	500%FS
K10	0–2.5	MPa	A，G，D	200%FS	500%FS
K11	0–4	MPa	G	200%FS	400%FS
K12	0–6	MPa	G	200%FS	400%FS
K13	0–10	MPa	G	200%FS	400%FS
K14	0–25	MPa	G	150%FS	400%FS
K15	0–40	MPa	G	150%FS	300%FS
K16	0–60	MPa	G	150%FS	300%FS
K17	0–80	MPa	G	150%FS	300%FS
K18	0–100	MPa	G	150%FS	300%FS
K20	–100–0	KPa	C	300kPa	500kPa
K21	± 100	KPa	C	300kPa	500kPa
K22	–100–250	KPa	C	750kPa	1.25MPa
K23	–100–600	KPa	C	1.2MPa	3MPa
K24	–0.1–1	MPa	C	2MPa	5MPa
K25	–0.1–1.6	MPa	C	3MPa	9MPa
K26	–0.1–2.5	Mpa	C	5MPa	12.5MPa

Table 2

Range Code	Pressure Range	Unit	Pressure Type	Overload Pressure	High and low single–ended overload	Static Pressure
D01	–6~0~6	kPa	D		16MPa	40MPa
D02	–40~0~40	kPa	D		16MPa	40MPa
D03	–100~0~100	kPa	D		16MPa	40MPa
D04	–250~0~250	kPa	D		16MPa	40MPa
D05	–1~0~1	MPa	D		16MPa	40MPa
D06	0–100	kPa	A	1MPa		
D07	± 100	kPa	G	1MPa		
D08	0–250	kPa	A	2MPa		
D09	–100–250	kPa	G	2MPa		
D10	–0.1–1	MPa	G	6MPa		
D11	–0.1–3	MPa	G	15MPa		
D12	0–10	MPa	A	20MPa		
D13	0–20	MPa	A	60MPa		
D14	0–40	Mpa	A	80MPa		

Table 3

Range Code	Pressure Range	Unit	Pressure Type	Overload Pressure	Burst Pressure
T00	0–5	Bar	G	200%FS	300%FS
T01	0–10	Bar	G	200%FS	300%FS
T02	0–16	Bar	G	200%FS	300%FS
T03	0–20	Bar	G	200%FS	300%FS
T04	0–25	Bar	G	200%FS	300%FS
T05	0–30	Bar	G	200%FS	300%FS
T06	0–40	Bar	G	200%FS	300%FS
T07	0–50	Bar	G	200%FS	300%FS