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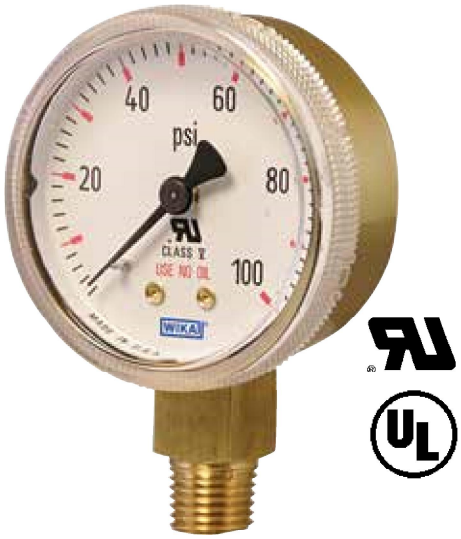
Bourdon Tube Pressure Gauge
Type 111.11 Compressed Gas Regulator Gauge
Standard Series

Applications

- Compressed gas regulators
- Beverage dispensing machines
- Suitable for all media that will not obstruct the pressure system or attack copper alloy parts

Product features

- UL-listed (UL-252a or UL-404)
- Polished brass or gold-painted steel case
- Free of oil and grease



Bourdon Tube Pressure Gauge Type 111.11

Specifications

Design
ASME B40.100

Sizes
1½", 2" & 2½" (41, 53 & 68 mm)

Accuracy class
± 3/2/3% of span (ASME B40.100 Grade B)

Ranges
Vacuum / Compound to 200 psi (16 bar)
Pressure from 15 psi (1 bar) to 6,000 psi (400 bar)
or other equivalent units of pressure or vacuum

Working pressure
Steady: 3/4 of full scale value
Fluctuating: 2/3 of full scale value
Short time: full scale value

Operating temperature
Ambient: -40°F to 140°F (-40°C to 60°C)
Media: 140°F (+60°C) maximum

Temperature error
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% of span for every 18°F (10°K) rising or falling.

Pressure connection
Material: Copper-Alloy
Lower Mount (LM): 1½", 2" and 2½"
Center Back Mount (CBM); 2" only
1/8" NPT, ¼" NPT, limited to wrench flat area
Restrictor Press-fit, 0.012" orifice

Bourdon Tube
Material: copper alloy
≤ 870 psi (60 bar): C-shape
> 870 psi (60 bar): Helical

Movement
Copper alloy

Dial
White aluminum with stop pin and black lettering
"USE NO OIL" in red

Pointer
Black aluminum, non-adjustable

WIKA®
Part of your business

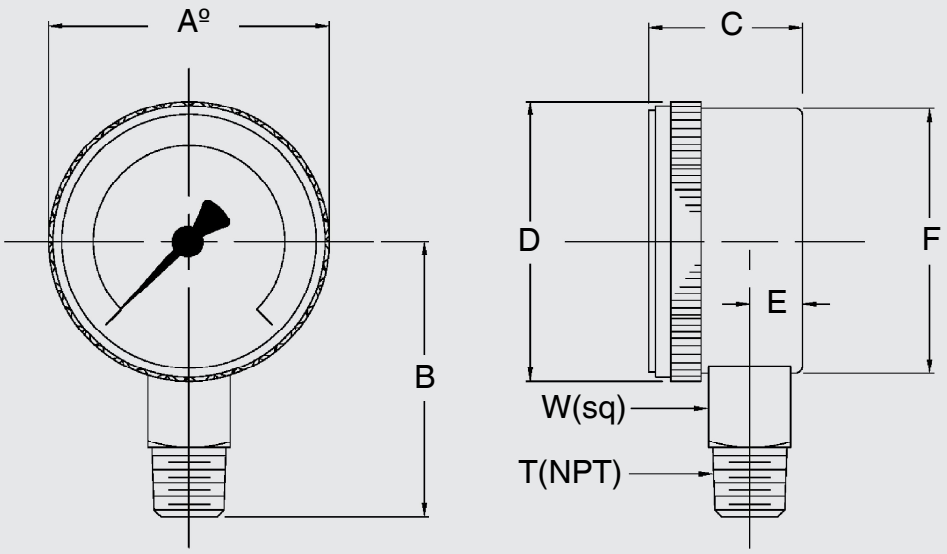
Case
1½": gold-painted steel
2" & 2½": SS ZrN coated (= brass polished look) or
gold-painted steel

Window
Twist-lock clear polycarbonate

Optional Extras

- Special case colors
- Nickel-plated socket
- Chrome-plated steel case
- Chrome-plated ABS case
- Black ABS case
- Stainless steel case (2" size only)
- Special threaded connection
- Custom dial layout
- Heat sealed bag, thread cap and “oxygen cleaned” label
- Other pressure scales available:
  bar, kPa, MPa, kg/cm² and dual scales

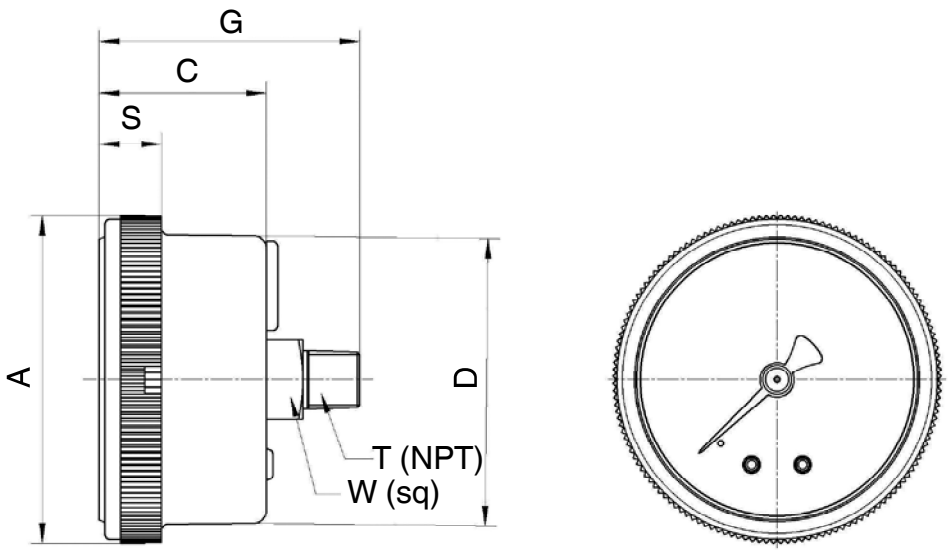
Dimensions - 1½", 2" and 2½" Lower Mount (LM)



Size		A	B	C[1]	D	E[1]	F	T	W	Weight
1.5"	mm	41	36.6	24	42.9	9	40	-	12	
	in	1.5	1.44	0.94	1.69	0.35	1.57	1/8"	0.47	0.14 lb
2"	mm	53	54	29	58	10.5	50.8	-	14	
	in	2.0	2.12	1.14	2.28	0.42	2.0	1/4"	0.55	0.24 lb
2.5"	mm	68	60	31	72.4	12	67.6	-	14	
	in	2.5	2.36	1.22	2.85	0.47	2.66	1/4"	0.55	0.33 lb

[1] For 2½" painted steel case, C dimension changes to 1.14" (29 mm), and E dimension changes to 0.35" (9 mm)

Dimensions - 2” Center Back Mount (CBM)



Size		A	C	D	G	S	T	W	Weight
2"	mm	57.8	29	50.7	48.3	11	-	14	
	in	2.275	1.14	2	1.9	0.43	1/8" or 1/4"	0.44	0.24 lb

Ordering information
Pressure gauge model / Nominal size / Scale range / Size of connection / Optional extras required.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.

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