

Bourdon Tube Pressure Gauges Industrial Series Gauge Type 212.20

WIKA Datasheet 212.20

Applications

- Sturdy industrial pressure gauges designed in compliance with operational safety requirements of EN 837-1 and ASME B40.100
- Reliable pressure gauge for machine and plant construction industry
- Suitable for gaseous or liquid media that will not obstruct the pressure system or corrode copper alloy wetted parts

Special features

- Long service life, robust
- Cost effective and reliable
- Pressure ranges up to 15,000 psi

Standard Features

Design

ASME B40.100 & EN 837-1

Sizes

6" (160 mm)

Accuracy class

± 1% of span (ASME B40.100 Grade 1A)

Ranges

Vacuum / Compound to 200 psi
Pressure from 15 psi to 15,000 psi
or other equivalent units of pressure or vacuum

Working pressure

Steady: full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.3 x full scale value

Operating temperature

Ambient: -40°F to +140°F (-40°C to +60°C)
Medium: +140°F (+60°C) maximum

Temperature error

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



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Weather protection

Weather resistant (NEMA 3 / IP 54)

Pressure connection

Material: copper alloy
Lower mount (LM) or lower back mount (LBM)
1/2" NPT

Bourdon tube

Material: copper alloy
≤ 1,000 psi: C-type, copper alloy - soft soldered
≥ 1,500 psi: helical type, 316L SS - brazed

Movement

Copper alloy with nickel-alloy wearable parts

Dial

White aluminum with black lettering

Pointer

Black aluminum

Case

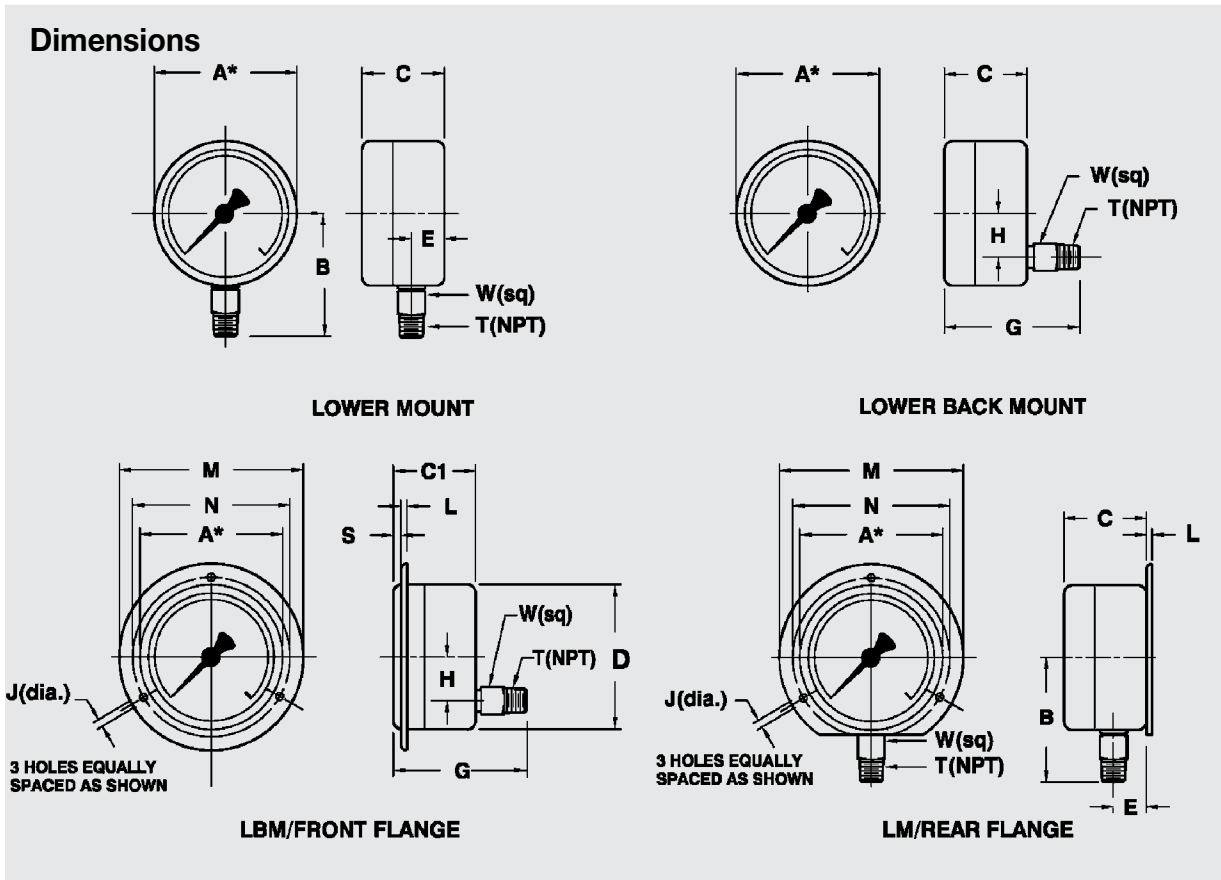
304 stainless steel with stainless steel bayonet ring

Window

Flat instrument glass

Optional extras

- Brass restrictor
- Stainless steel front or rear flange
- Liquid filled case: No (use Model 233.50)
- U-clamp panel mounting
- Integral alarm contacts
- Extended media temperature to +392°F (+200°C)
- Special connections limited to wrench flat area
- Custom dial layout
- Other pressure scales available
bar, kPa, MPa, kg/cm² and dual scales



Size		A	B	C ¹	D	E	G	H	J	L	M	N	S	T	W	Weight
6"	mm	160	116	49.5	159	15.5	81	50	5.8	3	196	178	5		22	
	in	6.0	4.57	1.95	6.26	0.61	3.19	1.97	0.23	0.12	7.72	7.0	0.20	1/2"	0.86	2.42 lb.

¹ For LM range 20,000 psi and LBM ranges above 1,000 psi, C dimension changes to 66.5 mm / 2.58"

Recommended panel cutout is dimension D + 1.5 mm

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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