

Bourdon Tube Pressure Gauges

Test Gauge with $\pm 0.25\%$ Accuracy

Type 332.30

WIKA Datasheet 332.30

Applications

- Calibration and testing laboratories
- Suitable for gaseous or liquid media that will not obstruct the pressure system or corrode stainless steel wetted parts

Special Features

- High accuracy ($\pm 0.25\%$ of span)
- Mirrored band on dial
- Knife edge adjustable pointer
- Pressure ranges up to 10,000 psi

Standard Features

Design

ASME B40.100 & EN 837-1

Sizes

6" (160 mm)

Accuracy Class

$\pm 0.25\%$ of span (ASME B40.1 Grade 3A)

Ranges (All ranges not stocked)

Vacuum / Compound to 200 psi
Pressure from 10 psi to 10,000 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)
Media: max. 212°F ($+100^{\circ}\text{C}$)

Temperature Error

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

Pressure Connection

Lower mount (LM)
Material: 316 stainless steel
1/4" NPT or 1/2" NPT



Bourdon Tube Pressure Gauge Model 332.30

Bourdon Tube

Material: 316 stainless steel
< 1500 PSI: C-type
 ≥ 1500 PSI: helical type

Movement

Stainless steel

Dial

White aluminum with black lettering and mirrored band

Pointer

Adjustable knife-edge, black aluminum

Case

304 stainless steel with stainless steel bayonet ring.
Solid front blow-out back safety case design.
Buna-N blow-out plug

Weather Protection

Weather resistant (NEMA 3 / IP 54)

Window

Laminated safety glass

Window Gasket

Buna-N

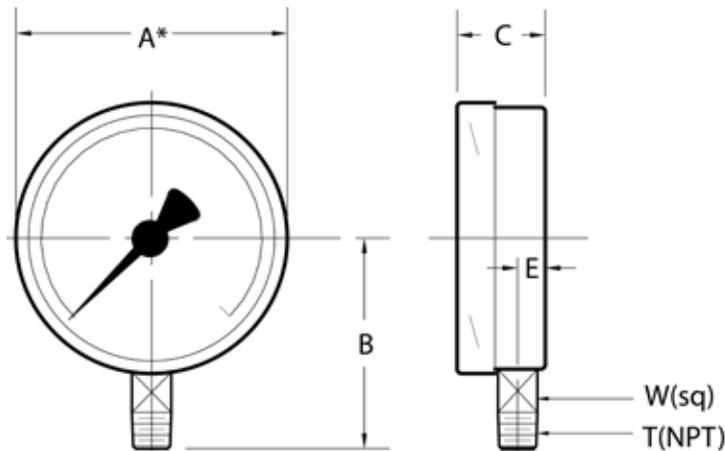
Standard Scale

psi

Order Options (min. order may apply)

- Front flange
- Stainless steel restrictor
- Certificate of Calibration to National Institute of Standard Technology (NIST)
- DIN standards
- Special connections limited to wrench flat area
- Cleaned for oxygen service
- Custom dial layout
- Other pressure scales available:
 - Bar, kPa, Kg/cm² and dual scales
- Alarm contact switches magnetic and inductive
- Transmitters

Dimensions



A* NOMINAL SIZE

TYPE/SIZE	WEIGHT	KEY	A*	B	C	E	T	W
332.30 6"	2.90 lbs. ²	mm	160	118	58	24	--	22
		in	6.0	4.65	2.28	0.95	1/2"	.87

NOTE: For gauges with 1/4" NPT connection, "B" dimension changes to 111mm/4.36in.
For gauges with ranges above 1000 PSI - "C" dimension changes to 2.97 in. (75.5 mm) and weight changes to 3.3 lbs.

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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