

Bourdon Tube Pressure Gauges

Solid-Front Process Gauge - Monel Wetted Parts

Type 262.34 - Dry Case

Type 263.34 - Liquid-filled Case

WIKA Datasheet 26X.34

Applications

- With liquid filled case for applications with high dynamic pressure pulsations or vibration
- Suitable for corrosive environments and gaseous or liquid media that will not obstruct the pressure system
- Process industry: chemical/petrochemical, power stations, mining, on and offshore, environmental technology, mechanical engineering and plant construction

Special features

- Excellent load-cycle stability and shock resistance
- Solid front thermoplastic case
- Positive pressure ranges to 15,000 PSI

Standard Features

Design

ASME B40.100

Sizes

4½" (115 mm) dial size

Accuracy class

± 0.5% of span (ASME B40.100 Grade 2A)

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: 1.5 x full scale value

Operating temperature

Ambient: -40°F to +150°F (-40°C to +65°C) - dry
-4°F to +150°F (-20°C to +65°C) - glycerine filled
-40°F to +150°F (-40°C to +65°C) - silicone filled
Medium: max. +212°F (+100°C) (See Note 1 on reverse)

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 / IP54) - dry case
Weather tight (NEMA 4X / IP65) - liquid-filled case

Pressure connection

Material: Monel 405
Lower mount (LM) or lower back mount (LBM)
1/4" or 1/2" NPT with M4 internal tap

Bourdon tube

Material: Monel K500
≤ 1,000 PSI: C-type
≥ 1,500 PSI: helical type

Movement

Stainless steel. Internal stop pin at 1.3 x full scale
Overload and underload stops - standard
Dampened movement - optional

Dial

White aluminum with black lettering, stop pin at 6 o'clock

Pointer

Black aluminum, adjustable

Case

Black glass-reinforced thermoplastic (PBTP)
Solid front, blowout back
Turret-style case with built in rear flange lugs

Window

Clear acrylic with Buna-N gasket

Case filling

Glycerine 99.7% - Type 263.34

Shock & vibration

Shock resistant up to 100g force

Cycle testing

400,000 - 2,000,000* cycles, depending upon pressure range

* Liquid filled

Note 1: Maximum continuous media temperature of 212°F is recommended. However, higher temperatures can be maintained safely for short term exposure per table to the right. The user should consider temperature error and gauge component degradation when exposing gauge to any media or ambient temperature above 212°F. For continuous use in either ambient or media temperatures above 212°F, a diaphragm seal or other heat dissipating means is recommended. Consult factory for technical inquiries and application assistance.

Optional extras

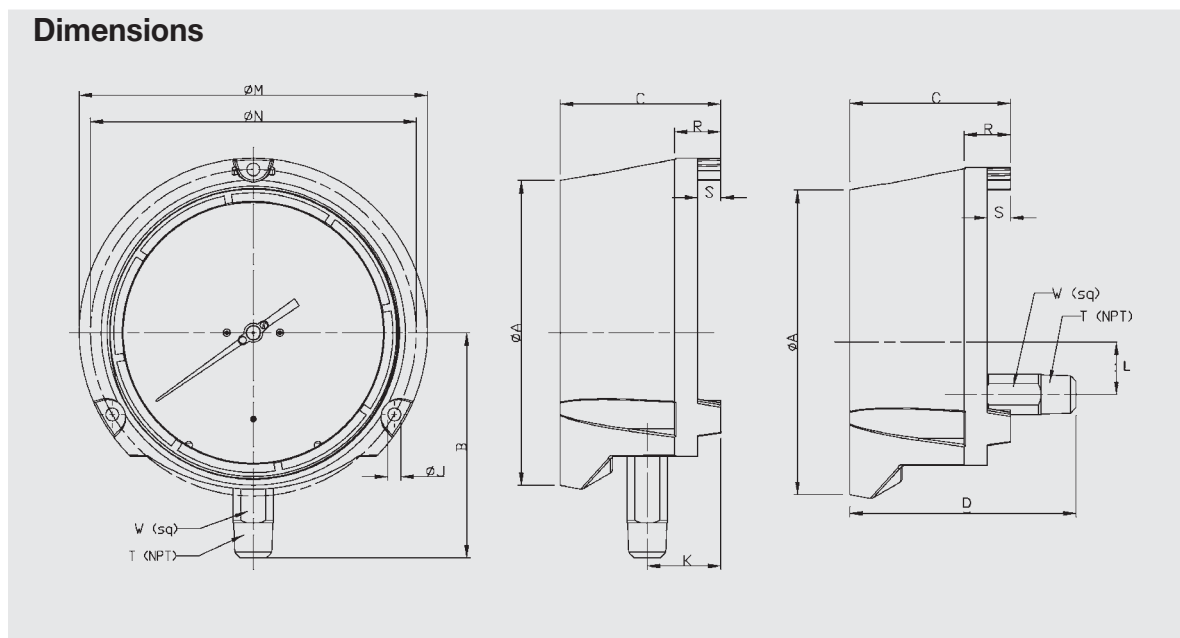
- Threaded restrictor
- Silicone dampened movement
- Panel mounting adaptor kit (field assembled)
- Silicone for fluorolube case filling
- Cleaned for oxygen service
- Instrument glass or safety glass window
- Alarm contacts switches (magnetic or inductive)
- Special process connections
- Custom dial layout

Short term, intermittent maximum media temperature limits

(Optional glass window required for all these temperatures)

- 500°F (260 °C) - Dry Gauge
- 250°F (130°C) - Liquid filled gauge
- 300°F (150°C) - Dampened movement gauge

Dimensions



Size

	A	B	C	D	J	K	L	M	N	R	S	T	W	Weight ¹
4.5" mm	128	103	84	120.3	6.3	40	28.5	148	136.5	25	12.5		22	2 lb. dry
in	5	4.06	3.31	4.74	0.248	1.57	1.12	5.83	53.7	0.99	0.49	1/2"	0.87	3 lb. filled

¹ Weight without optional accessories

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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