Bourdon Tube Pressure Gauge
Inspector Test Gauge
Model 332.54 - All Stainless Steel

Applications
- Inspector's test gauge
- Testing and calibration of other pressure measuring instruments
- Suitable for corrosive environments where the fluid medium does not clog the connection or corrode the wetted parts material

Product features
- All stainless steel construction
- (+/-) 0.25% full scale accuracy
- Supplied standard with calibration test report
- Supplied standard with padded carrying pouch

Specifications

Design
ASME B40.100

Size
4" (100mm)

Accuracy class
- ± 0.25% of span (ASME B40.100 Grade 3A) for pressure range ≤ 600 psi (40 bar)
- ± 0.5% of span (ASME B40.100 Grade 2A) for pressure range > 600 psi (40 bar) and < 2,000 psi (160 bar)
- ± 0.25% of span (ASME B40.100 Grade 3A) for pressure range ≥ 2,000 psi (160 bar)

Ranges (All ranges not stocked)
Vacuum / compound up to 200 psi (16 bar)
Pressure from 15 psi to 20,000 psi (all ranges not available in 0.25% accuracy) or other equivalent units of pressure or vacuum

Bourdon Tube
Material: 316 SS
< 1000 psi (70 bar): C-shape
> 1000 psi (70 bar): Helical

Movement
Stainless steel

Dial
White aluminum with black lettering and mirrored band

Pointer
Black aluminum, micrometer adjustable, with knife edge

Case
304 SS with vent plug and polished stainless steel bayonet ring. Welded case to socket connection

Standard Scale
PSI

Window
Laminated safety glass

Working Range
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°C)

WIKA Datasheet 332.54  6/2015
**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.

**Connection**
Material: 316 SS
Lower mount (LM)
1/4" or 1/2" NPT

**Window Gasket**
Buna-N

**Weather protection**
Weather tight (NEMA 4X / IP 66)

**Other**
Supplied standard with a zippered, padded carry bag
Supplied standard with calibration test report

*Not available with padded carrying pouch*

**ORDER OPTIONS (min. order may apply)**
- Custom dial layout
- 316 SS threaded restrictor
- Polycarbonate window
- Flat instrument glass window
- Special connections limited to wrench flat area
- Other pressure scales available: Bar, kPa, Kg/cm² and dual scales
- Cleaned for oxygen service
- Back connection*
- Front flange*
- U-clamp bracket*

**Dimensions**

| Size | A | B  | C | D  | E  | G  | H  | J  | M  | N  | P  | R  | S  | T  | W  | Weight |
|------|---|----|---|----|----|----|----|----|----|----|----|----|----|----|------|
| 4"   | mm| 110| 87 | 49.5| 100| 15.5| 81 | 30 | 4.8 | 132| 116| 125| 110| 15 | 22 | dry  |
|      | in | 4.30| 3.43| 1.95| 3.94| 0.61| 3.19| 1.18| 0.19| 5.20| 4.57| 4.92| 4.33| 0.59| 1/2"| 0.87 | 1.25 lb. |

Recommended panel cutout is dimension D + 1 mm

**Ordering information**
State computer part number (if available) type number/size/range/connection size and locations/options required. WIKA reserves the right to make changes without prior notice.