Bourdon Tube Pressure Gauge
Model 233.55 LBM, All Stainless Steel Construction
Panel Builder Gauge

Applications
- Panel builder and control industry
- Suitable for corrosive environments with 316 stainless steel wetted parts
- Used in gaseous and liquid media

Special features
- Equipped with socket restrictor and glycerine filled case
- Off-set case liquid filling port
- LBM process connection
- Crimped tamper-proof bezel ring

Standard version

Design
ASME B40.100

Size
2½” (63mm)

Accuracy class
2½” ± ASME B40.100 Grade A 2/1/2%

Bourdon Tube
Material: 316L Stainless Steel
30” Hg (Vac) to 1000 PSI C-type
1500 PSI to 20,000 PSI helical type

Socket Material
316Ti Stainless Steel

Movement
Stainless Steel

Dial
White aluminum with black lettering; stop pin

Pointer
Black aluminum

Case
304 Stainless Steel with vent plug and SS crimping ring.
Welded case/socket connection

Front Flange
300 series Stainless Steel, polished

Scale ranges (all ranges not stocked)
Vacuum/Compound to 30” HG/0/200 PSI
Pressure from 15 PSI to 20,000 PSI
or other equivalent units of pressure or vacuum

Working Range
Steady: ¾ of full scale value
Fluctuating: 2/3 of full scale value
Short time: full scale value

Operating Temperature
Ambient: -4°F to 140°F (-20°C to 60°C) Note 1
Media: 212°F (+100°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.

Weather protection
Weather-tight (NEMA 4X/IP 65)

Vent Plug
Flat rubber - over 300 PSI
Field cuttable nipple - vacuum through 300 PSI
With yellow vent lever- available

Restrictor
316 Stainless Steel; 0.023” (0.6mm) orifice, standard
**Pressure connection**  
Material: 316 Stainless Steel  
Lower back mount (LBM)  
1/4" NPT limited to wrench flat area

**Standard scale**  
PSI, PSI/BAR, PSI/KPA, PSI/KG/CM²

**Window gasket**  
Buna-N

**Case Filling**  
Glycerine-1000 Centistoke, standard

**Window**  
Safety glass

**Optional Extras**

- Custom dial layout
- Silicone or inert case fill
- Special connections limited to wrench flat area
- Other pressure scales available
- Cleaned to ASME level IV (without glycerine case fill)

**Recommendations**

- Hole panel cutout= 2.56
- Installation screw= #6 flat head screw; threaded into panel, or back nut attachment (3-required).

Note: Temperature ranges (liquid filled gauges)  
Glycerine: -4°F to 140°F (-20°C to 60°C)  
Silicone: -40°F to 140°F (-40°C to 60°C)

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**Dimensions**

**Standard versions**

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**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.