

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

WIKA Datasheet 233.55

## Applications

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

## Product features

- Equipped with socket restrictor and glycerine filled case
- Off-set case liquid filling port
- LBM process connection
- Crimped tamper-proof bezel ring
- FlexWindow™ option with integrated pressure compensation and 100% case fill (\*)

## Specifications

### Design

ASME B40.100

### Size

2½" (63mm)

### Accuracy Class

2½" ± ASME B40.100 Grade A 2/1/2%

### Bourdon Tube

Material: 316 Stainless steel  
< 1500 psi (100 bar): C-shape  
≥ 1500 psi (100 bar): Helical

### Socket Material

316L Stainless Steel

### Movement

Stainless Steel

### Dial

White aluminum with black lettering; stop pin

### Pointer

Black aluminum

### Case

316 Stainless Steel with vent plug and SS crimping ring.  
FlexWindow option without vent plug.  
Welded case/socket connection.

### Front Flange

316 series Stainless Steel, polished



Panel Builder Gauge 233.55

### Scale Ranges (all ranges not stocked)

Vacuum/Compound to 30 INHG(-1 bar)/0/200 psi (16 bar)  
Pressure from 15 psi (1 bar) to 20,000 psi (1600 bar)  
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) <sup>Note 1</sup>  
Media: 212°F (+100°C) maximum

### 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.

### Ingress Protection

IP 65 per EN 60529 / IEC 60259  
IP 66 (NEMA 4) with FlexWindow option

### Vent Plug

Flat rubber - over 300 psi (20 bar)  
Field cuttable nipple - vacuum through 300 psi (20 bar)  
With yellow vent lever - available

Note: FlexWindow option comes with integrated pressure compensation and does not require a vent plug

### Restrictor

316 Stainless Steel; 0.023" (0.6mm) orifice, standard

(\*) ASME B40.100 does not apply to gauges with FlexWindow option

