Bourdon tube pressure gauge
HP, stainless steel version
Model 130.15

Applications
- For gaseous and liquid, also aggressive media for demanding high purity applications, also in aggressive ambience
- For all HP (high purity) applications
- Semiconductor and flat panel industry
- Gas distribution systems
- Hook-up application

Special features
- Helium leak tested
- Electropolished case

Description
Nominal size
1 ½", 2"

Accuracy class
NS 1 ½": Grade B per ASME B40.1
NS 2": Grade A per ASME B40.1

Scale ranges
0 ... 1 to 0 ... 700 bar (0 ... 15 to 0 ... 10,000 psi)
or all other equivalent vacuum or combined pressure and vacuum ranges

Pressure limitation
Steady: 3/4 x full scale value
Fluctuating: 2/3 x full scale value
Short time: Full scale value

Permissible temperature
Ambient: -40 ... +60 °C
Medium: +100 °C maximum

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+20 °C):
max. ±0.4 %/10 K of full scale value

Ingress protection
IP 54 per EN 60529 / IEC 529
Standard version

Process connection
Stainless steel 316L,
lower mount (LM) or centre back mount (CBM)
Male thread ¼ NPT

Pressure element
Stainless steel 316L
< 100 bar: C-type
≥ 100 bar: Helical type
Leak tightness: Leak rate ≤ 10⁻⁹ mbar · l / s
Test method: Helium mass spectrometry

Movement
Stainless steel

Dial
Aluminium, white, black lettering, with pointer stop pin

Pointer
Aluminium, black

Case
Stainless steel, electropolished

Window
Polycarbonate
NS 1 ½": Snap-in window
NS 2": Screw-fitted on case (twist lock)

Cleaning
Cleaned for oxygen service per ASME Level IV

Options
- Other process connection
- Process connection surface finish  Ra ≤ 0.3 µm
- Dual scale
**Dimensions in mm**

**Standard version NS 1 ½”**

**Lower mount (LM)**

**Centre back mount (CBM)**

**Standard version NS 2”**

**Lower mount (LM)**

**Centre back mount (CBM)**

**Ordering information**

Model / Nominal size / Scale range / Connection size / Connection location / Options

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