Low Pressure Capsule Gauges
Type 611.10, Standard Design, Copper Alloy Wetted Parts
Type 631.10, Stainless Steel Wetted Parts

Applications

■ Low pressure gauge for applications in a controlled environment
■ Ideal for measuring pressure, vacuum in medical, environmental, and laboratory applications for content and filter monitoring
■ For gaseous, dry and non-aggressive media
■ Model 631.10 also suited for aggressive (dry) media

Product Features

■ Front zero adjustment
■ Special connections on request
■ Scale ranges from 0/10 InWC (25 mbar)

Specifications

Design
Per EN 837-3

Nominal size
2” (50 mm), 2½” (63 mm)

Accuracy
± 1.6 of full scale value

Standard ranges
2”: 0...25 InWC (60 mbar) to 0...250 InWC (600 mbar)
2½”: 0...10 InWC (25 mbar) to 0...250 InWC (600 mbar)
or all other equivalent vacuum or combined pressure and vacuum ranges

Standard scales
InH₂O/mmH₂O
oz/sq.in/mmH₂O
oz/sq.in/InH₂O
PSI

Pressure limitation
Steady: full-scale value
Fluctuating: full-scale value

Permissible temperature
Ambient: -4 °F... +140 °F (-20 °C... +60 °C)
Media: +212 °F (100 °C) maximum

Temperature error
Additional error when temperature changes from reference temperature of 68 °F (20 °C) ± 0.5% of span for every 18 °F (10 °K) rising or falling

Ingress protection
NEMA 2 (IP 32 per EN 60529 / IEC 529)

Process connection
Model 611.10: copper alloy
Model 631.10: Stainless steel
Lower mount (LM) or back mount (CBM)
2” back mount only
¼” NPT male (14 mm wrench flats)

Process element
Model 611.10: copper alloy
Model 631.10: Stainless steel

Sealing
NBR

Movement
Copper alloy

Zero adjustment
At the front
Dial
Aluminum, white, black lettering

Pointer
Aluminum, black

Case
Steel, black

Window
Clear plastic

Options
- Other process connection
- Stainless steel case
- Overpressure and vacuum safety with scale ranges < 16 inWC (40 mbar): 3X full scale value
  scale ranges ≥ 16 inWC (40 mbar): 10X full scale value
- Slip-on bezel
- Triangular bezel with clamp

1) also for size 2”

Approvals
- GOST, metrology/measurement technology, Russia
- GOST R, import certificate, Russia

Certicates
- 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)
- 3.1 inspection certificate per EN 10204 (e.g. material proof for wetted metallic parts, indication accuracy)

2) Option

Approvals and certificates - see website

Recommended panel cut-out: D + 1mm