

Heavy Duty Pressure Gauges

with Bourdon Tube & Glycerine filling

- Connection Position - bottom, radial or back
- Nominal sizes ND 100
- Protection to IP 65
- Casing, stainless steel
- Vibration-free display
- High reliability and long service life due to modular construction
- Overload capacity 1.3x
- Accuracy class 1.0
- Copper alloy measuring system

The Heavy Duty Pressure gauges with glycerine filline are used at measuring points with high dynamic alternating loads with strong vibrations and pulses.

The glycerine filling ensures smooth pointer movement and thus good readability even in extreme load and strong vibration conditions. The lubricating effect of the glycerine also provides protection against increased wear.

The modern modular construction system with an o-ring sealing system, tried and tested for many years, ensures a high level of functional safety and a long service life.

Case components are composed of stainless steel.

Applications

iron & steel industry, power stations, general mechanical engineering, pumps, hydraulics, compressors, water treatment plants.

Size

100mm

Accuracy Class

1.0 to EN 837-1

Measuring ranges

0...0.6 bar to 0.1000bar
negative or positive or negative/positive gauge pressure
Option: 1.5 to 2x

Case

Stainless steel 1.4301 with pressure relief opening
Optiop: Stainless Steel, polished

Bezel

bayonet ring, Stainless Steel 1.4301
Option: Steel, Black

Mounting

without
Options: Front flange, ss 1.4301 polished, Rear flange stainless steel 1.4301, blank Triangular bezel, SS polished with U-clamp steel zinc plated

Window

Glass lens
Option: Safety glass, Plexiglass

Applications

Constant load: up to full scale value
Dynamic load: up to 0.9 x full scale value
short-time: overload capacity 1.3 x

Dial

Aluminium, white, scale and imprint black
Optional: Dual scale

Pointer

Aluminium, black
Optional: Drag pointer

Movement

CuZn-alloy

Measuring element

Copper alloy up to <100 bar,
above ≥ 100 bar stainless steel 316 L

Pressure connection

Copper alloy up to 1000 bar
Position - P1778 - radial bottom / P1779 - rear eccentric
Thread - G 1/2B
Optional: Other threads on request

Temperatures

- Medium Tmin. -20°C, Tmax. 80°C
- Ambient Tmin. -20°C, Tmax. 60°C

Temperature drift

0.4%/10K if deviation from normal temperature 20°C

Liquid filling

Glycerine
Option: Others on request

Protection

IP 65 to EN 60 529/IEC 529

Throttle

without
Option: $\varnothing 0.3$; $\varnothing 0.4$; $\varnothing 0.8$

Weight

P1778 0.9 kg

P1779 0.9 kg

Licence:



Procon Instrument Technology
1 / 119 Delta Street Geebung QLD4034
07 3823 1922
sales@proconit.com.au www.proconit.com.au

PIT_P1778-P1779-Tecsis-Pressure-Gauge_v1.0