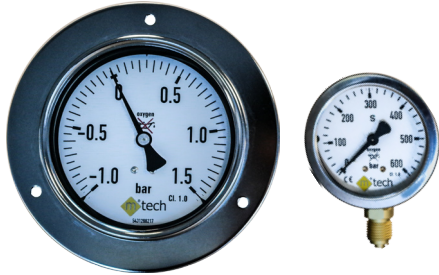


Heavy Duty pressure gauge with Bourdon tube




Pressure gauge

- ♦ Medium: liquid or gaseous media which are not highly viscous and which do not attack copper alloys or crystallize
- ♦ Flow restrictor integrated for safe operation with oxygen
- ♦ Excellent load-cycle stability and shock resistance
- ♦ Copper alloy measuring system
- ♦ Case protected against overpressure
- ♦ Viewing window made of safety glass

These pressure gauges are specially made for m-tech and can be used in all applications where particular importance is attached to measuring accuracy, reproducibility and long-term stability. All Heavy Duty pressure gauges comply with general international recommendations for measuring systems and take requirements for specific applications and technical standards into consideration. Panel mounting is facilitated by the central connecting pin at the back and a corresponding mounting bracket.

Technical data

♦ Nominal size	Ø 63, Ø 100
♦ Connection position	Bottom, radial or back, eccentric
♦ Ranges	-1 ... 1.5 bar, 0 ... 400 bar, 0 ... 600 bar
♦ Case	Stainless steel, 1.4301
♦ Measuring element	Copper alloy
♦ Thread connections	Ø 63: G 1/4 bottom, radial Ø 100: G 1/4 back, eccentric
♦ Media temperature	Tmin. -20 °C, Tmax. 80 °C
♦ Ambient temperature	Tmin. -25 °C, Tmax. 60 °C
♦ Protection	IP 54 nach EN 60 529
♦ Flow restrictor	Brass / Ø 0.3
♦ Weight	Ø 63: 0.21 kg ; Ø 100: 0.6 kg

Version April 2016

Accuracy

Accuracy class according to EN 837-1

- ♦ Ø 63: 1.6
- ♦ Ø 100: 1.0
- ♦ Temperature drift 0.3 %/10K if deviation from normal temperature 20 °C

Material specification

- ◆ Case stainless steel 1.4301
- ◆ Measuring element copper alloy
- ◆ Window
 - Ø 63: Polycarbonat (Makrolon) (safety glass)
 - Ø 100: glass lens (safety glass)

Version

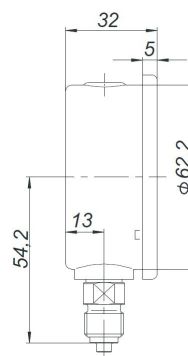
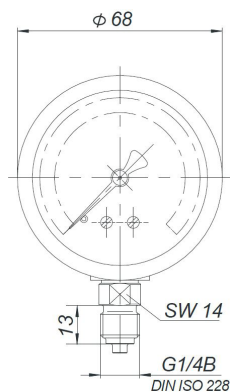
- ◆ For oxygen service (m-tech standard) assembled free of oil and grease

Part numbers

- | | | | |
|------------------|----------------|---------------------|-------------------------------------|
| ◆ Pressure gauge | Range | Ø 63 | Ø 100 |
| | -1 ... 1.5 bar | Article number | Article number |
| | 0 ... 400 bar | 04227 | 03705 |
| | 0 ... 600 bar | 04228 | 04222 |
| | | 04230 | 04221 |
| | | Connection position | Connection position eccentric, back |
| | | radial, bottom | for panel mounting |
- ◆ Other versions on request

Dimensions in mm

- ◆ Nominal size Ø 63



- ◆ Nominal size Ø 100

