



Digital pressure gauges DIM 20 service instrument

- + Universal test pressure gauge with high measuring accuracy
- + High flexibility due to selectable units: bar/mbar/psi/inHg/mmHg/cmHg/kPa/MPa/mWC
- + Min./max. memory
- + Intuitive operation via menus
- + Display can be rotated by 330°
- + Zero and full scale can be calibrated
- + Adjustable auto-off function

Application For high-precision electronic pressure measurement with local digital display, for applications such as hydraulics, pneumatics, mechanical and plant engineering. Compact microprocessor-controlled pressure gauge with thick film ceramic measuring cell. The signal received from the pressure sensor is processed by the microprocessor, converted into the desired unit and displayed. Each device is shipped with its own measurement log.

Technical specifications

Measuring ranges

Relative pressure: -1/0 bar, 0/2.5 bar to 0/700 bar

Measuring accuracy

±0.5 % FSO as per BFSL
±1 % FSO (-1/0 bar)

Overpressure safety

At least 1.5 x FS

Operating temperature range

Medium: -20/+125 °C
Ambient: -20/+45 °C
Storage: -30/+80 °C

Temperature error

In compensated range
0/70 °C ≤ 0.5 % FSO/10 K

Dynamic characteristics

Measuring rate 5/s

Display

Multi-line LC display
Display can be rotated by 330°

Process connection

G $\frac{1}{4}$ B (EN 837-1/7.3), bottom

Supply voltage

1 x lithium battery 3.6 V (included), battery life depends on usage (max. 5 years)

Materials

Housing: PA6, glass-loaded
Pressure connection: Stainless steel 304
Diaphragm: Ceramic (Al₂O₃ 96 %)
Seal: FKM

Degree of protection

IP 51 (EN 60529)

6



DIM 20

DG: H, PG: 4

	Measuring range										
	-1/0 bar	0/2.5 bar	0/6 bar	0/10 bar	0/25 bar	0/40 bar	0/100 bar	0/160 bar	0/250 bar	0/400 bar	0/700 bar
Part no.	32500	32503	32505	32506	32508	32509	32511	32512	32513	32514	32516
Price €											