

PRECISION DIGITAL PRESSURE GAUGE TYPE 22100...102 UND 22100...005



Nominal size 100

Accuracy 0,2%, 0,1% and 0,05 %

Peak recording (Min/Max)

battery powered

with bargraph or temperature display



Description

These precision digital pressure gauges type 22100 are battery powered devices for mobile pressure monitoring. They can be used in all applications where liquid or gaseous media are not highly viscous and do not attack VA alloys or crystallize.

The case and the wetted parts are made of stainless steel.

The 5 digit LCD is equipped with backlight.

The devices have a minimum / maximum value memory, zero point adjustment and the ability to switch between different units.

Features

- Case and wetted parts made of stainless steel
- 5-digit LCD with backlight
- Switching possibility between the units kPa, psi, kg/cm², bar, mbar, MPa, Pa, mmHg, mH₂O und Torr
- Type 22100...005 with temperature display
- Baureihe 22100...102 with bargraph

Measuring ranges

- 0...1,0 bar up to 0...1000 bar (22100...102)
- 0...1,6 bar up to 0...250 bar (22100...005)
- -1..0..1 bar up to -1...0...25 bar
- 0...50 mbar up to -500...0...500 mbar
- Vakuum -1...0 bar (22100 ...102)

Options

- Connection back, version with three-hole front ring, other threads on request

Type 22100

Technical data

Type	22100...102	22100...005
Nominal size	NS 100	
Pressure accuracy	0,2% FS optional 0,4% FS	0,2% FS, 0,1%FS, 0,05%FS
Measuring ranges	0...1,0 bar up to 0...1000 bar , Vakuum -1...0 bar, -1..0..1 bar up to -1...0...25 bar 0...50 mbar up to 0...1000 mbar, +/- mbar ranges	0...1,6 bar up to 0...250 bar , -1..0..1 bar -1...0...25 bar 0...100 mbar up to 0...1000 mbar, +/- mbar ranges and absolute pressure
Long-term stability	typical +/-0,2% FS/year	
Overpressure	150 %	
Sampling frequency	5 mal / second	
Material connection Material case	Stainless steel 1.4301 Stainless steel 1.4301	
Thread	G1/2, on request 1/2NPT, M20x1,5, optional front-flush diaphragm, clamp, flange cooling element	G 1/4, on request G1/2, 1/2NPT, M20x1,5, optional front-flush diaphragm, clamp, flange, cooling element
Display	5 digit LCD with bargraph	5 digit LCD with temperature display
Operating temperature Compensation temperature	-10-60°C 18~30°C	-10-50°C 0~40°C
Supply Battery life	3x Mignon AA (not included in delivery) or micro USB max.2,4A approx. 12 month	3x Mignon AA (not included in delivery) or micro USB max.2,4A approx. 3600 hours
Weight	0,4 kg	0,36 kg
Accessories		Suitcase, protective rubber cup

Dimensional drawing Dimensions in mm

