PRESSURE GAUGE

PCE-PG 20H

- **Pressure range: -0.088 ... +2.0 MPa**
- **Interface: RS485**
- **Pressure connection: M20 x 1.5 plug**
- **Operating temperature: -10 ... 50°C / 14 ... 122°F**
- **10 pressure units**

Our highly accurate pressure gauge is a precise and reliable solution for measuring gas and liquid pressures in industry, laboratories and technology. With a measuring range of -0.088 MPa ... +2.0 MPa and a high resolution of 0.0001 MPa, our high-precision pressure gauge is ideal for applications that require maximum measuring accuracy. The accuracy is 0.05% FS, which guarantees stable and repeatable measurement results.

Our high-accuracy pressure gauge uses a diffused silicon pressure sensor and offers intelligent calibration and linearity correction functions. The zero point is set quickly and precisely within two seconds using a magnetic pin. This ensures consistently high measuring accuracy and reliability. The response time is just 0.5 seconds, allowing rapid pressure changes to be reliably recorded. The device is equipped with a 3.1 inch LCD display, which is easy to read and has a backlight.

The wetted parts are made of stainless steel, making our highly accurate pressure gauge suitable for air, water and non-aggressive oils. The connection is made via an M20 × 1.5 thread. Overload protection up to 1.2 times the maximum pressure range reliably protects the sensor from short-term pressure peaks. With a housing diameter of 112 mm and a weight of just 601 g, the device is space-saving and easy to install.

Specification

Pressure	
Measurement range up to	-0,088 ... +2 MPa
Resolution	0,0001 MPa
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-0,88 ... +20 bar
Resolution	0,001 bar
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-12,8 ... +290,1 psi
Resolution	0,1 psi
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-88 ... +2000 kPa
Resolution	0,1 kPa
Accuracy	0.05% FS.
Pressure	
Measurement range up to	0,9 ... 20,39 kgf/cm²
Resolution	0,01 kgf/cm²
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-88000 ... +2000000 Pa
Resolution	1 Pa
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-26 ... +590,6 inHg
Resolution	0,1 inHg
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-660 ... +15001 mmHg
Resolution	1 mmHg
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-353 ... +8037 inH_2O
Resolution	1 inH_2O
Accuracy	0.05% FS.
Pressure	
Measurement range up to	-89737 ... +2039480 mmH_2O

General technical data	
Outputs	4 ... 20 mA
Units	bar, psi, kPa, MPa, kgf/cm², Pa, inHg, mmHg, inH_2O, mmH_2O
Connections	M20 x 1.5 mm
Display type	LCD
Display size	3,1 Inch
Interface	RS485
Response time	0,5 s
Measured medium	Water, Oil, Air
Housing	Stainless steel
Overload protection	1.2 times overload
Sensors	Silicon pressure sensor
Protection class (device)	IP56
Power supply	100 ... 240V AC | 50/60 Hz
Connector type	Euro plug
(Rechargeable) battery	1 x 3,6 V internal , Lithium-ion battery
Capacity	2600 mAh
Operating conditions	-10 ... 50 °C , 0 ... 95 % RH
Storage conditions	-20 ... 70 °C , 0 ... 85 % RH
Dimensions (L x W x H)	165 x 112 x 47 mm
Weight	601 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk

Resolution	1 mmH_2O
Accuracy	0.05% FS.