

100mm Digital Pressure Gauge

Overview

TPS.10 Series digital pressure gauge allows you to measure, display and store pressures in one device, its extremely robust metal housing design, wide ranges, 3 accuracy classes, long-term stability, easy operation and OEM manufacture, make it stand out from the competition.

Through the innovative menu navigation, simple operation is ensured. The clear display, with integral bar graph display and large text area, assists with the effective analysis of the widest variety of measuring locations. With the Min./Max. function, the minimum and maximum pressures can be accessed immediately and saved automatically.



Applications

- Oil and gas industry
- Maintenance and service facilities
- Calibration service companies and service industry
- Test bench / gauge repair facilities
- Leak test

Features

- Rugged and portable design
- Measuring ranges up to 600MPa
- Optional with data logger function 1,000,000 data sets recording and communication with APP via Bluetooth
- Display can be rotated 330° axially
- 19 Switchable pressure units
- MIN/MAX value recording
- Low cost, adapt needs of customers to develop OEM solutions

Technical Data

Case Size	100mm (4")	Accuracy	0.05%FS, 0.1%FS, 0.25%FS
Range	-100....10kPa ~600MPa	Long term stability	≤0.1%FS/year
Supply	3 x 1.5 V AAA batteries / Rechargeable battery	Operation temperature	-20°C ~80°C
Output	RS485	EMC	IEC 61326
Pressure Connection	Lower connection G1/4A typical, (or custom)	Vibration	IEC 60068-2-6/10...500 Hz, 5 g
Function	Page 2	Shock	IEC 60068-2-29/25 g, 11 ms
Approval	CE, SIL3, ATEX	Enclosure Rating:	IP65

Rev.A

07/2025

Ordering information

Example: TPS.10.005.R.P0.R.G14M.[1.6MPa]

	TPS	10	005	R	P0	R	G14M	[1.6MPa]
Type	TPS							
Mechanical Structure	10	100mm Digital Pressure Gauge						10
Accuracy	01	0.1%FS						
	02	0.25%FS						
	005	0.05%FS* Partial range				005		
Mounting type	R	with data logger & bluetooth			R			
	T	without data logger & bluetooth						
Supply	P0	3x 1.5 V AAA batteries				P0		
	P2	Rechargeable battery						
Output	R	RS485						R
	N	without output						
Process connection	N12M	1/2NPT male						
	G12M	G1/2 male						
	M20	M20x1.5 male						
	G14M	G1/4 male (typical)					G14M	
	N14M	1/4NPT male						
Range	Range	-1...0-100MPa (100-600MPa option)						[1.6MPa]

1) Additional request. Contact Factory

Dimension

Unit: mm

