



PDR100

Digital Pressure Gauge

'0.5 % Accuracy Portable Pressure Gauge'

Portable digital pressure gauge **PDR100** has 0.5% FS accuracy, using battery for measuring pressure. It has multiple functions are equipped and using for pressure measurement and test purpose.

PDR100 has 0.5% F.S with various pressure unit selection and backlight provides improved visibility under poor lightning conditions.

- Range : 0 ~ 1, 5, 10, 20, 30, 50, 100 bar (Gauge)
-1 ~ 1, 2, 5, 10, 20 bar (Compound)
- Accuracy : $\pm 0.5\%$ F.S
- Simple button touch for various function setting
- Convenient to read and large display
- Back Light Display
- Durable die-cast outer case
- Quick and easy to change the pressure unit (mbar, bar, MPa, mmH₂O, inHg, mmHg, kgf/cm², atm, psi, kPa)

- Peak function
- Auto-off function
- Backlight On/Off
- Calibration function (Zero, Span)
- Field and Test laboratory Calibration of the pressure gauge
- Process pressure measurement & monitoring for outdoors and plant.
- Pressure valve and Regulator test
- Leaks test



01 Specification

Pressure Range	0 ~ 1, 5, 10, 20, 30, 50, 100 bar (Gauge)
	-1 ~ 1, 2, 5, 10, 20 bar (Compound)
Accuracy	±0.5 % FS ± 1 digit
Thermal Effect on Zero	±0.05% FS / °C
Thermal Effect on Span	±0.05% FS / °C
Compensation Range	-10 ~ 50 °C
Workable Range	-20 ~ 70 °C
Display	±2000 Backlight LCD
Power Requirement	9V Battery 1 ea
Display Speed	1, 2, 5, 7, 10 times / second
Special Function	Peak, Auto power off, Auto Zero
Allowable Pressure	X1.5
Burst pressure	X2
Pressure Port	1/4" BSPT, 1/4" BSPP
Material of Pressure Port	SS316L, VITON
Size	Dia. 68 mm × 35 mm , 103 mm Included Pressure Port
Weight	160 g

02 Order Information

Model(PDR100-Range_1_2-Port) / Description(Digital Pressure Gauge)

Range	0 to 100 bar (User-defined Range)
1	K = kPa, M = MPa
2	G = Gauge
Port	C = 1/4" BSPT , P = 1/4" BSPP

Ex) PDR100-10MG-C → Range 100 bar, Gauge Pressure, 1/4" BSPT

03 Pressure Type & Range

Part No.	Pressure Range		Accuracy of Full Scale	Burst Pressure
	SI Unit	bar		
100KG	100 kPa	1 bar	0.5 %	2 times
500KG	500 kPa	5 bar	0.5 %	2 times
1MG	1 MPa	10 bar	0.5 %	2 times
2MG	2 MPa	20 bar	0.5 %	2 times
3MG	3 MPa	30 bar	0.5 %	2 times
5MG	5 MPa	50 bar	0.5 %	2 times
10MG	10 MPa	100 bar	0.5 %	2 times



03 Pressure Type & Range

Compound Pressure				
Part No.	Pressure Range		Accuracy of Full Scale	Burst Pressure
	SI Unit	bar		
100KC	-100 to 100 kPa	-1 to 1 bar	0.5 %	2 times
200KC	-100 to 200 kPa	-1 to 2 bar	0.5 %	2 times
500KC	-100 to 500 kPa	-1 to 5 bar	0.5 %	2 times
1MC	-0.1 to 1 MPa	-1 to 10 bar	0.5 %	2 times
2MC	-0.1 to 2 MPa	-1 to 20 bar	0.5 %	2 times

Please note: For kPa measurements, this model will only display up to 2000.