



PDR250

DIGITAL PRESSURE GAUGE

“0.25 % Accuracy Portable Pressure Gauge”

Portable digital pressure gauge **PDR250** has 0.25% FS accuracy, using battery for measuring pressure.

It has multiple functions are equipped and using for precision pressure measurement and test purpose.

PDR250 can use any liquid or gas for media that compatible with 316L Stainless Steel and it has durable aluminum die-cast outer case with Class IP65 water proof for suitable to various measurement environment.

- Range : 0 to 500 MPa
- Accuracy : $\pm 0.25\%$ or $\pm 0.5\%$ F.S
- Convenient to read and large display
- Back Light Display
- Durable die-cast outer case
- Quick and easy to change the pressure unit
- Min / Max Measurements
- Small size for easy install
- Class IP65 Water-proof

- Peak function
- Auto-Off function
- Factory Initialization function
- Backlight On/Off
- Calibration function
- Field and Test laboratory Calibration of the pressure gauge
- Process precision pressure measurement for outdoors and plant.
- Pressure valve and Regulator test
- Leaks test

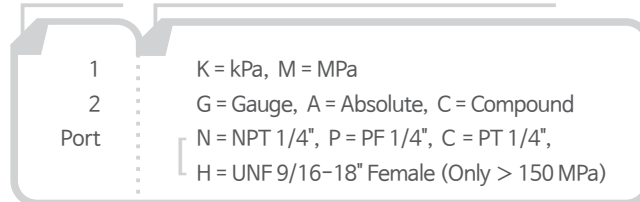


01 Specification

Pressure Range	0 ~ 35 kPa ... 70 MPa (Gauge)	0 ~ 71 ... 500 MPa (Gauge)
	-100 kPa ~ 100 ... 3.5 MPa (Compound)	
	0 ~ 35 kPa ... 70 MPa (Absolute)	
Accuracy	±0.25 % FS ± 1 digit	±0.5 % FS ± 1 digit
Thermal Effect on Zero	±0.03% FS / °C	±0.05% FS / °C
Thermal Effect on Span	±0.03% FS / °C	±0.05% FS / °C
Compensation Range	-10 ~ 50 °C	
Workable Range	-20 ~ 70 °C	
Display	± 5000 Backlight LCD	
Power Requirement	1.5V (AAA size) Alkaline battery 3 ea	
Display Speed	1, 2, 5, 7, 10 times / second	
Special Function	Unit Conversion, Peak, Auto power off, Auto Zero	
Allowable Pressure	X3 or 140 MPa (Whichever is less)	≤ 150 MPa : X1.5 or 150 MPa (Whichever is less)
		> 150 MPa : X1.5 or 500 MPa (Whichever is less)
Burst Pressure	X4 or 210 MPa (Whichever is less)	≤ 150 MPa : X2 or 150 MPa (Whichever is less)
		> 150 MPa : X2 or 600 MPa (Whichever is less)
Pressure Port	G(PF) 1/4", PT 1/4", NPT 1/4", 9/16UNF Female (Only > 150 MPa)	
Material of Pressure Port	SS316L	SS316L, Ti 87%
Waterproof	IP 65	
Size	Dia. 80 mm x 38 mm , 120 mm Included Pressure Port	
Weight	350 g	

02 Order Information

Model(PDR250-Range_1_2-Port) / Description(Digital Pressure Gauge)



Ex) PDR250-70MG-N → Range 70 MPa, Gauge Pressure, NPT 1/4"

Gauge		Absolute		Compound	
35KG	35 kPa g	35KA	35 kPa a	100KC	100 kPa c
100KG	100 kPa g	100KA	100 kPa a	200KC	200 kPa c
200KG	200 kPa g	200KA	200 kPa a	350KC	350 kPa c
350KG	350 kPa g	350KA	350 kPa a	700KC	700 kPa c
700KG	700 kPa g	700KA	700 kPa a	2MC	2 MPa c
2MG	2 MPa g	2MA	2 MPa a	3.5MC	3.5 MPa c
3.5MG	3.5 MPa g	3.5MA	3.5 MPa a	From -100 kPa	
7MG	7 MPa g	7MA	7 MPa a		
20MG	20 MPa g	20MA	20 MPa a		
35MG	35 MPa g	35MA	35 MPa a		
70MG	70 MPa g	70MA	70 MPa a		
100MG	100 MPa g				
150MG	150 MPa g				
250MG	250 MPa g				
500MG	500 MPa g				