

DR3730 Digital Pressure Gauge Introduction



The DR3730 digital general pressure gauge is a cost-effective alternative to traditional analogue pressure gauges. It offers 1% FS accuracy across its full range and features a waterproof ABS shell for durability in tough environments. The large LCD screen ensures easy readability, while functions like recording maximum and minimum pressure values and zeroing aid in on-site monitoring. With low power consumption (less than 4.5mA), it can run on AAA alkaline batteries for up to 1 month.

Applications

- Mechanical engineering
- Process control and automation
- Hydraulics and pneumatics
- Pumps and compressors
- Water, air, gas, and oxygen

Features

- Big LCD display with backlight
- 4 digits pressure display
- Zero clearing
- Maximum value display
- Pressure progress bar display
- Battery indicator
- Low power consumption
- Five pressure unit switching (bar, psi, kPa, MPa, kg / cm²)

Technical Parameters

Digital Pressure Gauge for Hydraulic water and air

Measurement range: 0~100MPa

Medium Type: Gas, water, oil, pure liquid

Pressure type: gauge pressure

Display digits: 4 digits display

Overload: 200% full Measurement range

Pressure accuracy: $\pm 1\%$ FS

Power supply: 4.5V, 3 * AAA batteries (Battery Not Included)

Material: ABS

Sensor: stainless steel 17-4PH

Sealing ring: NBR

Diameter: 80mm

Pressure interface: NPT1/2 NPT1/4 G1/2 G1/4 M20 * 1.5/ external thread(standard)

Compensation temperature: 0 °C ~ + 50 °C

Operating temperature: - 10 °C ~ + 60 °C

Protection grade: IP65

Range and Resolution

Range		Unit and Resolution					Accuracy
Full Range	Mpa	Mpa	bar	kgf	PSI	Kpa	
1.0		1.000	10.00	10.20	145.0	1000	1%FS
1.6		1.600	16.00	16.32	232.1	1600	1%FS
2.5		2.500	25.00	25.51	362.6	2500	1%FS
4.0		4.000	40.00	40.82	580.1	4000	1%FS
6.0		6.000	60.00	61.22	870.2	6000	1%FS
10		10.00	100.0	102.0	1450		1%FS
16		16.00	160.0	163.2	2321		1%FS
25		25.00	250.0	255.1	3626		1%FS
40		40.00	400.0	408.2	5801		1%FS
60		60.00	600.0	612.2	8702		1%FS
70		70.00	700.0	714.3			1%FS
100		100.0	1000	1020			1%FS