

Model DPG102

Digital Pressure Gauge
Dual Alarms

DPG102 is an integrated pressure gauge with display and control used to monitor hydraulic fluids. It monitors the pressure via the resistance measured on an isolation membrane. The output signal is amplified by a high-precision, low-temperature drift amplifier. The signal is then fed into a high accuracy A/D converter for the microprocessor to process and then show on the LED display.

Features

- Measuring ranges from -1 ... 0 to 0 ... 2200 bar
- Accuracy 0.25 %FS, 0.5 %FS
- DC power
- 0.56" 4-digit LED display
- 220V / 3A or 220V / 5A relay output

Application

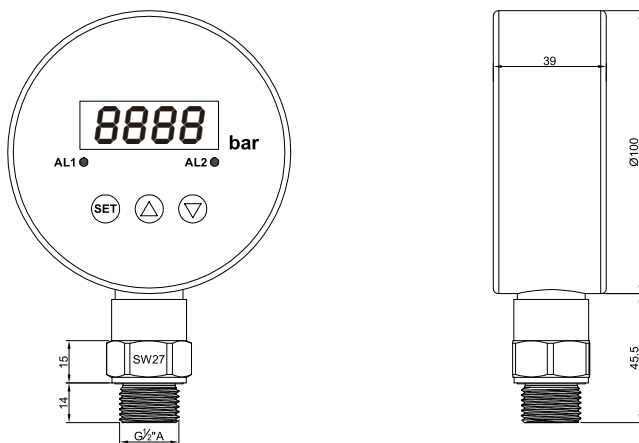
- Hydro-Power
- Water Treatment
- Petroleum
- Chemical
- Mechanical
- Hydraulic, And Other Industries.

Technical data

Performance	
Pressure Range	-1 ... 0 to 0 ... 2000 bar
Display method	0.56" 4-digit LED display
Accuracy	±0.25%FS, ±0.5%FS
Output signal	4...20 mA
Relay output	2 way x 220V / 3A or 2 way x 220V / 5A relay output
Power supply	15...30 VDC option 220VAC
Overload Pressure	120%FS
Unit	bar
Long Term Stability	±0.2%FS/year
Diaphragm	SUS 316L
Housing Material	SUS 304
Process Connection	G1/2, G1/4, 1/4NPT, 1/2NPT, PT1/4, PT1/2, Tri-Clamp
Operating temperature	-30 to 80 °C
Protection	IP40



Dimensions (All dimensions in mm)



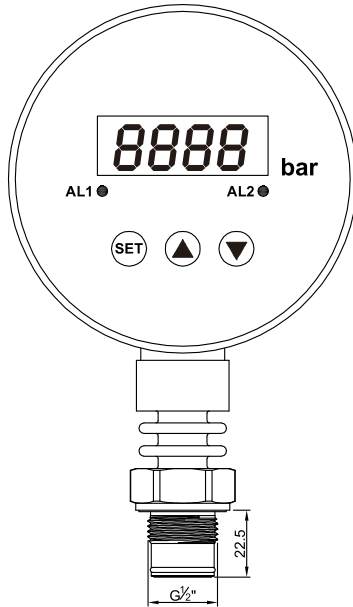
The listed specifications and dimensions are subject to change without prior notice

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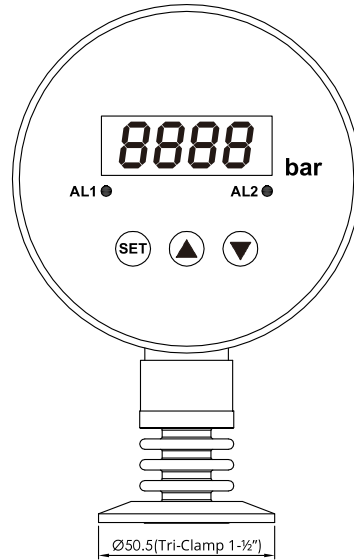
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Materontek
Sensing and Internet of Things

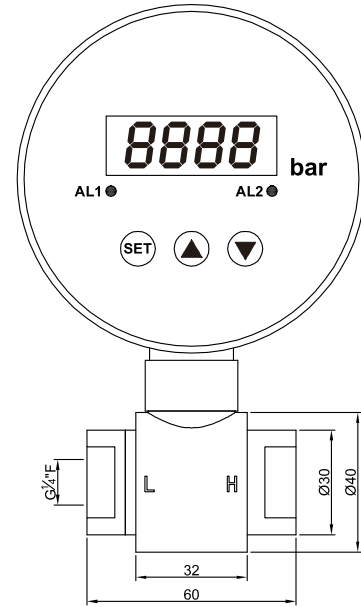
Flush membrane pressure interface



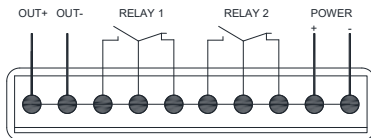
Clamp sanitary pressure connection



Differential pressure measurement pressure interface



Electrical connections



Ordering code

Model	Pressure range	Type	Pressure Port	Accuracy	Power supply	Relay output
DPG102	01 0.1bar	G Gauge	01 G1/4 A ISO9974-2 male	A1 ±0.25%FS	E1 15...30VDC	3A 2 way x 220V / 3A
	02 0.2bar	A Absolute	02 G1/2 A ISO9974-2 male	A2 ±0.5%FS	E2 220 VAC	5A 2 way x 220V / 5A
	03 0.35bar	D Differential	03 G3/8 A ISO9974-2 male			
	04 0.6bar		04 G1/4 B EN837 male			
	05 1bar		05 G1/2 B EN837 male			
	06 2bar		06 G3/8 B EN837 male			
	07 2.5bar		07 1/4NPT male			
	08 4bar		08 1/2NPT male			
	09 6bar		09 PT1/4 male			
	10 10bar		02 PT1/2 male			
	11 16bar		11 M20x1.5 male			
	12 20bar		12 1/4MP-7/16-20UNF male			
	13 25bar		13 1/4HP-9/16-18UNF male			
	14 35bar	99 Custom	14 G1/4 female			
	15 50bar		15 1/4NPT female			
	16 70bar		16 G1/2 Flush			
	17 100bar		17 G1 Flush			
	18 160bar		18 1/2NPT Flush			
	19 250bar		19 Tri-Clamp 1-1/2"			
			20 Tri-Clamp 2"			
			99 Custom			

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