

# 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

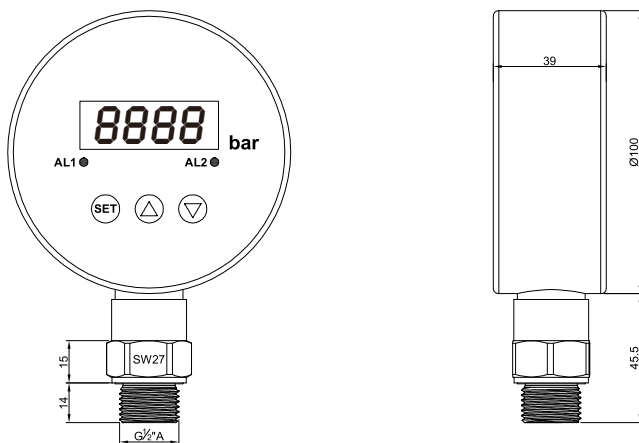
- Hydro-Power
- Water Treatment
- Petroleum
- Chemical
- Mechanical
- Hydraulic, And Other Industries.

## 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)



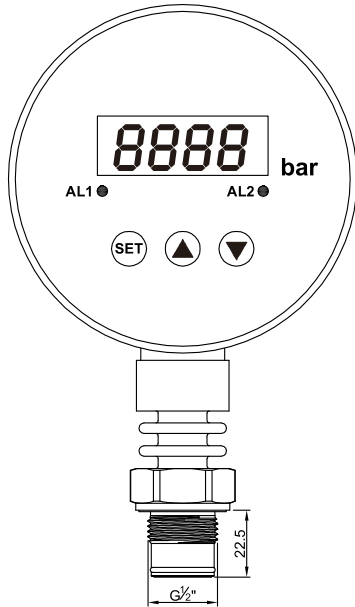
The listed specifications and dimensions are subject to change without prior notice

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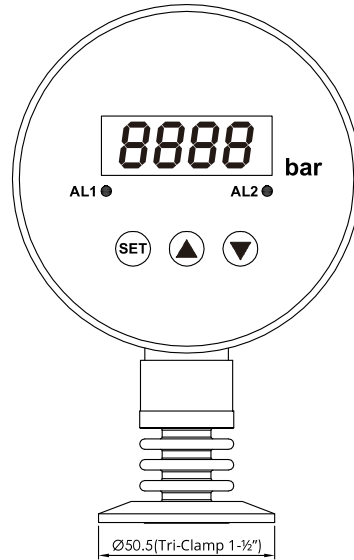
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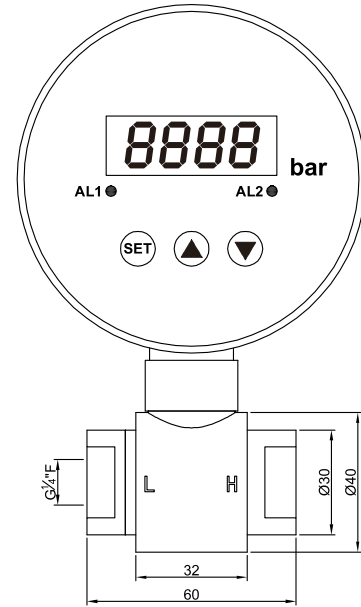
### Flush membrane pressure interface



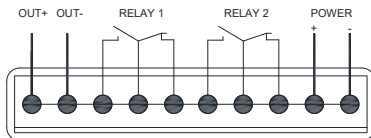
### Clamp sanitary pressure connection



### Differential pressure measurement pressure interface



### Electrical connections



### Ordering code

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

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