MPG01
Digital Pressure Gauge

Features

- High-accuracy piezoresistive sensor
- Large 5-digit LCD with dual-line display
- Displays real-time pressure, peak, minimum, maximum or ambient temperature
- Graphical bar display for pressure percentage
- Battery status indication
- Over-pressure alert to protect the sensor
- Wide sampling rate: 0.03 Hz to 100 Hz
- Auto power-off to extend battery life

Description

The MPG01 series digital pressure gauge is a fully electronic device powered by a battery, making it very convenient for on-site installation. It uses a high-accuracy piezoresistive pressure sensor located at the front end of the gauge.

The sensor's output signal is amplified by a high-precision, low-temperature-coefficient amplifier and then converted into a digital signal using an A/D converter. The microprocessor processes this digital signal and displays the real-time pressure value on the LCD screen.

The MPG01 intelligent pressure gauge is designed for flexible usage, featuring simple operation, easy adjustment, and reliable performance.

Applications

- Water supply and wastewater networks
- Power generation and energy systems
- Petroleum and petrochemical industries
- Machinery and general industrial automation
- Hydraulics and pneumatics
- Chemical processing plants

Technical Specifications

- **Pressure Range:** -1…0. .1000bar
- **LCD display :**5 digit
- **Pressure type:** Guage, Absolute, sealed & Differential
- **Accuracy:** 0.1% FS, 0.25%FS, 0.5%FS
- **Overload Pressure:** 150% FS
- **Display range:** -19999~99999
- **Long term Stability**:<0.1%FS/ year
- **Battery Power Supply:**3.6V battery
- **Compensated temp. range:** 10 to +70°C
- **Operating temp. range:** -30 to +100°C
- **Selectable range:** Mpa, kPa, Pa, bar, psi, mmH2O, mH2O, tor, atm, kgf and NO
- **Sampling Speed:**4 times/ second
- **Insulation resistance:** 100MΩ @50VDC
- **Housing Material:** 304SS
- **Process connection:** G1/2 or others

Dimensions:

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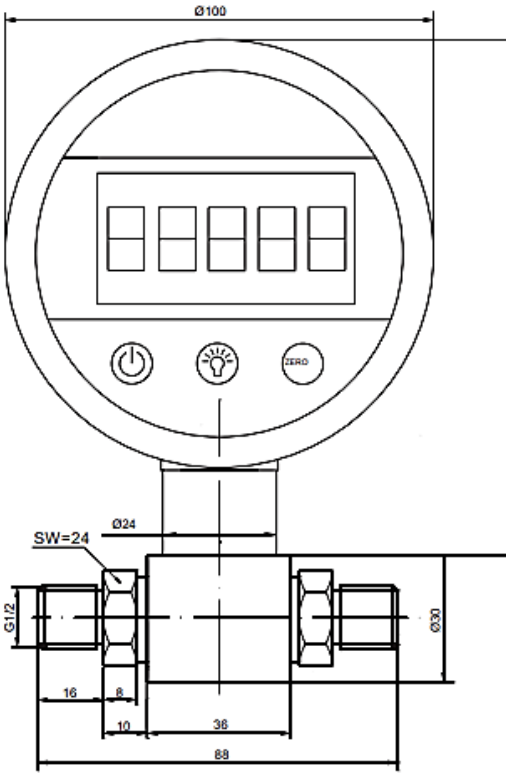

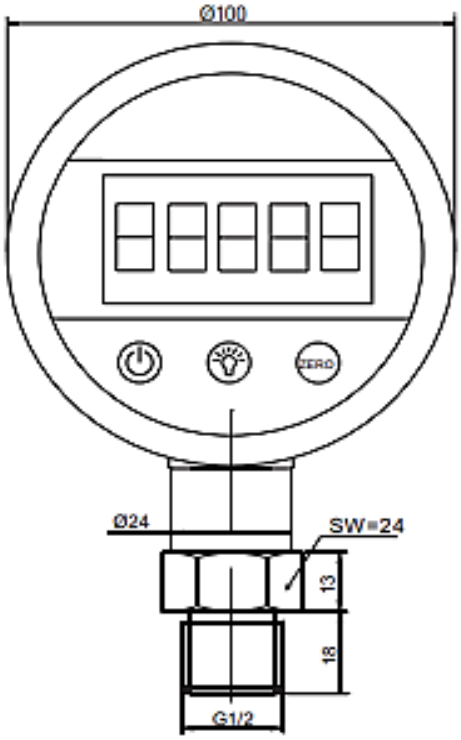

Ordering Code

MPG01							
Range	**-1...0~0.1bar...1000bar (X1~X2) bar X1: lower limit of actual measuring range X2 higher limit of actual measuring range**						
	Pressure Reference						
	VG (vented gauge)	**SG** (sealed gauge)	**Abs** (absolute)				
		Precision ± [1]					
		0.1%FS	**0.25%** FS	0.5%FS			
			Pressure Port				
			G1/2, G1/4, M20*1.5, ½ NPT, others				
MPG01	**0~30bar**	**SG**	**0.25%**	**G1/2**	**-**	**-**	**-**

Note: *All specifications are subject to change without prior notice*

Ver. 1.0-25/11

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