

# GE-209 Digital LED Display Pressure Sensor

## Description of Digital Pressure Sensor:

GE-209 digital LED display pressure transmitter, could output 4-20mA or 0-20mA signal, and PNP NPN or relay switch signal, the engineer could monitor the pressure system at remote area. This digital pressure transmitter adopt a ceramic thin film pressure sensor to measuring pressure, with a better accuracy, integrated LED for pressure display and parameters set.

## Application of Digital Pressure Sensor:

liquid and gas, process control, leaking monitoring, hydraulics and pneumatic system, pump control, storage tank monitoring, liquid level control, filter blocking, machinery manufacture

## Character of Digital Pressure Sensor:

- \* Lower price, cheap
- \* large range: 0-1bar to 0-600bar
- \* Remote type
- \* Both switching output and analog output
- \* LED for pressure and switching state display
- \* High reliability
- \* Output to PLC
- \* M12 plug, easy to assembling/disassembling



## Specification of Digital Remote Pressure Sensor:

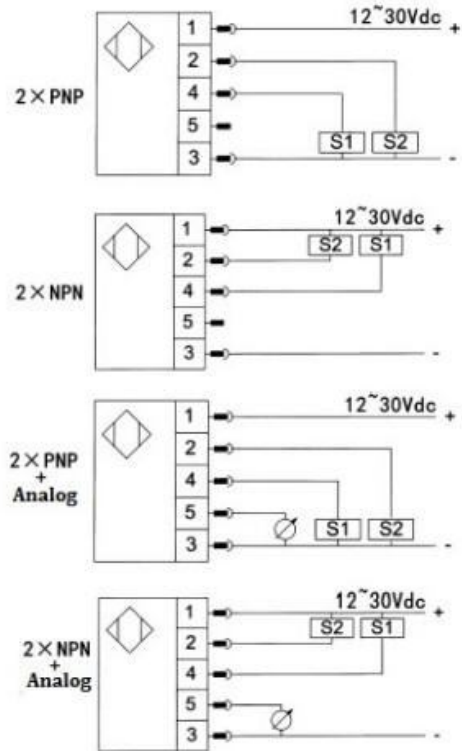
- \* Power Supply: 15...30Vdc
- \* Repeatability: 0.5% of measuring range
- \* Display: Red 9mm 4 digit LED, Display range: -999...9999
- \* Temperature effect: less than 0.03%FS/K
- \* Medium temperature: -20C...80C
- \* Protection class: IP65
- \* Process connection: Stainless steel + NBR sealing

**Technology Data of Switching output:**

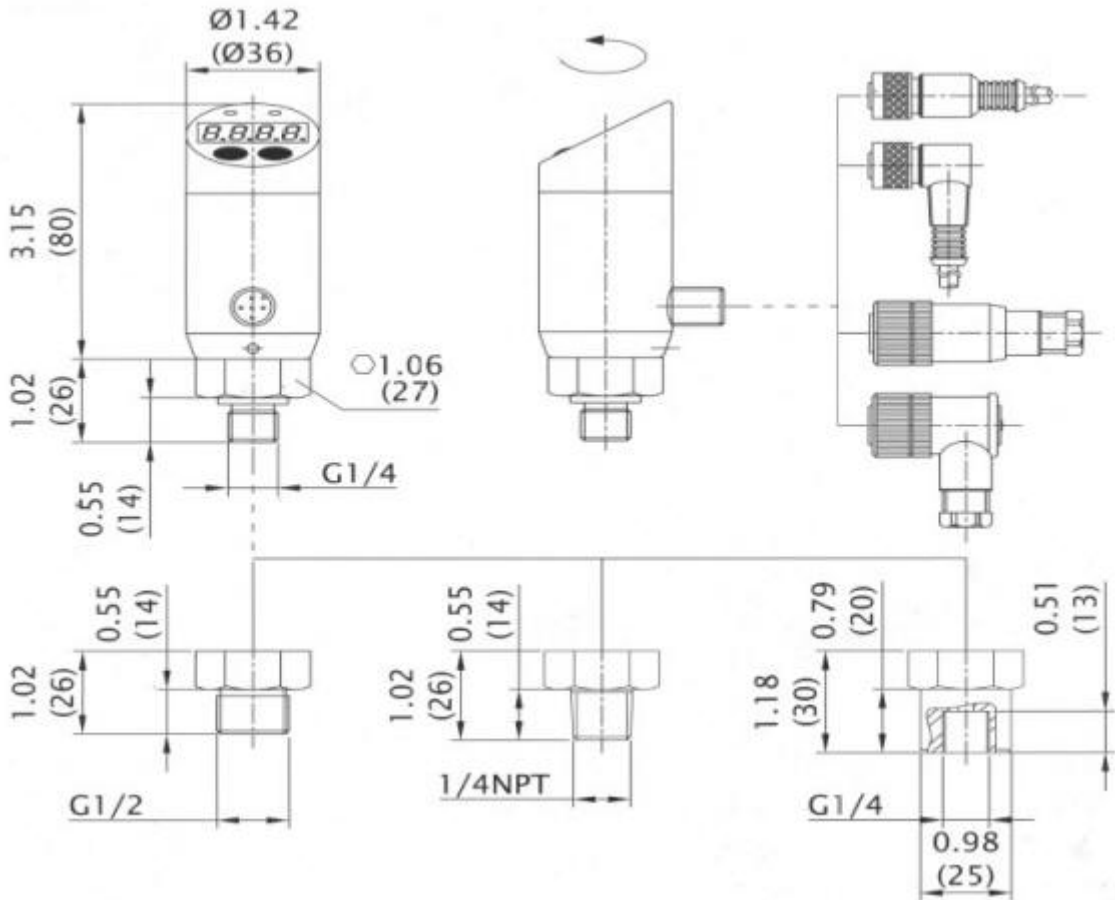
- \* Calibrating range: 0.5%-100% of F.S.
- \* Accuracy: 0.5% of F.S.
- \* Number of switch: 1 or 2
- \* Output function: PNP; NPN; NC/NO programmable
- \* Rated current: less than 500mA
- \* Voltage drop: less than 1V
- \* Response time: less than 10ms

**Technology Data of Analog output:**

- \* Output type: 4-20mA 0-20mA analog output.
- \* Load resistance: less than 500 ohm
- \* Accuracy: 0.5% of F.S.



**Dimension Drawing of Digital Pressure Sensor:**



**Model Selection of Digital Pressure Sensor:**

Type	Range	Connection	Output	Description
GE-209				Digital Pressure Sensor
	001			Pressure Range: 0-1bar
	002			Pressure Range: 0-2bar
	005			Pressure Range: 0-5bar
	010			Pressure Range: 0-10bar
	025			Pressure Range: 0-25bar
	060			Pressure Range: 0-60bar
	100			Pressure Range: 0-100bar
	160			Pressure Range: 0-160bar
	250			Pressure Range: 0-250bar
	400			Pressure Range: 0-400bar
	600			Pressure Range: 0-600bar
		G14		Male Thread G1/4
		G12		Male Thread G1/2
			1S	1 x switch
			2S	2 x switch
			1A	1 x Analog
			2A	1 x switch + 1 x Analog
			3A	2 x switch + 1 x Analog

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