

## ESG101 Digital Pressure Gauge

- ✓ Pressure type: Gauge
- ✓ Casing Diameter:  $\Phi 100$
- ✓ Display: 4-digit LED
- ✓ Range: 0~0.1MPa...100MPa
- ✓ Precision: 0.2%F.S 0.5%F.S
- ✓ Stability:  $\leq 0.1\%F.S/Year$
- ✓ Signal Output: 4~20mA/RS485
- ✓ Power supply: 24Vdc/220Vac
- ✓ OEM: Available



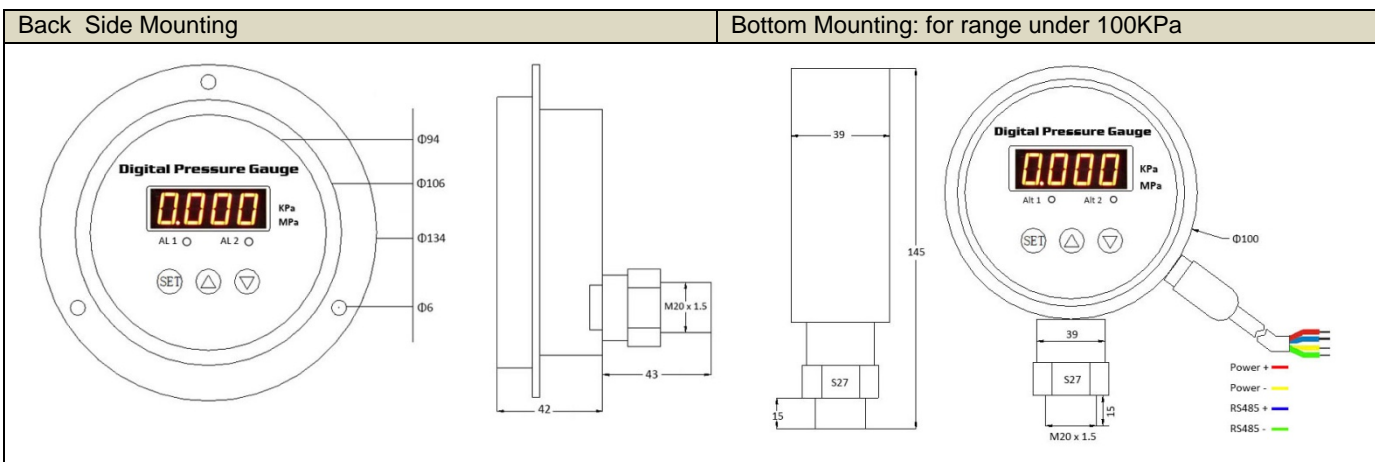
### Product Introduction

ESG101 line is a kind of pressure measurement & control product with intelligent digital display, it is combined the functions of pressure measurement, display, output and control.

ESG101 line Digital Pressure Gauge is electronic-structure and 24VDC power supply, which makes it very easy for on-site installation. Specifically, high-precision piezoresistive pressure sensor have been adopted and the output signal is processed by the low temperature drifting amplifier, then sent into the high-precision A/D converter to be converted into digital signal, after being trimmed and processed, the actual pressure value will be displayed on the LED screen.

Flexible use, simple operation, safe and reliable etc. ESG101 has being widely used to measure and display the pressure of the fluid medium in hydro-power, water, petroleum, chemical, mechanical, hydraulic etc industries.

### Electrical Connections and Dimensional drawings



- Please adopt hose connection for decoupling in case of heavy vibration and shock circumstance.
- Please earth the casing if adopt hose connection.
- Please make sure all connectors must be treated properly and carefully.
- Please keep distance and stay away from electromagnetic.
- Please press both ▲ and ▼ and hold for 3 second to reset the gauge if error occurs at zero pressure.

# Specifications

Measuring Range	-0.1...0~0.1MPa...100MPa	Pressure connection	M20 x 1.5, G1/2 , G1/4
Overload pressure	2 times of rated pressure	Pressure type	Gauge Pressure
Display	0.56"Digital LED	Power supply	24Vdc/220Vac
Accuracy	±0.25%F.S, ±0.5%F.S	Display range	-1999~9999
Stability	≤0.1%F.S/Y	Relative humidity	≤80%
Working temperature	-20~70°C	Material of casing	304SS
Ingress protection	IP65		

1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa

# Ordering Procedure

ESG	Digital Pressure Gauge				
	Code	Model			
	101R	Radial direction (Bottom)			
	101Z	Axial direction (Back side mounting)			
	101EP	Explosion proof housing			
	Code	Span			
	0001	0~1bar			
	0002	0~2bar			
	...				
	1000	0~1000bar			
	Code	Output Type			
	A	4~20mA			
	R	RS485			
	Code	Power Supply			
	D	24 Vdc			
	A	220Vac			
	Code	Process connection			
	M	M20 x 1.5			
	G4	G1/4			
	G2	G1/2			
ESG	101R	0001	A	D	M