

ESG103 Digital Pressure Gauge (Battery Type)

- ✓ Pressure type: Gauge
- ✓ Casing Diameter: Φ60
- ✓ Display: 4-digit LED
- ✓ Range: -0.1~0~100MPa
- ✓ Precision: 0.5%F.S
- ✓ Stability: ≤0.1%F.S/Year
- ✓ Power supply: 9Vdc (battery)
- ✓ OEM: Available



Product Introduction

ESG103 line digital pressure gauge is full electronic structure and battery based power supply model, ESG103 adopts oil-filled diaphragm piezoresistive sensor for a relative high accuracy and good stability; the output signal with high precision, low temperature drift has been treated by amplifier amplification process, and then inputted into the high precision A/D converter heading for digital signals, and finally been displayed via LED display to indicate the actual pressure performance/value.

The intelligent digital pressure gauge is flexible to use, simple operation, easy debugging, safe and reliable. It has been widely used in power station, water, petroleum, chemical, mechanical, hydraulic and other industries, for the fluid medium pressure measurement and display.

Features

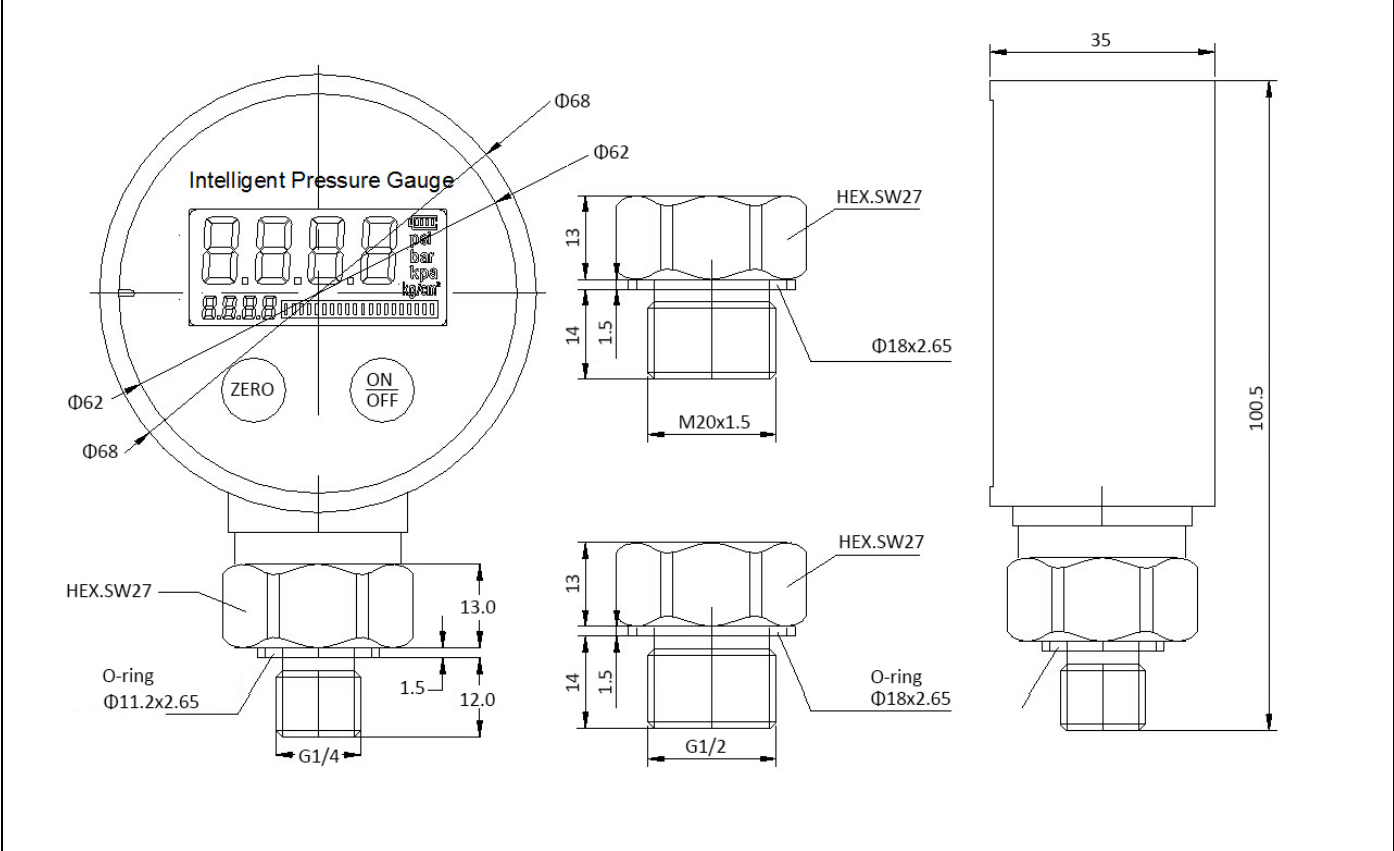
- Large-screen LCD display, back light, high resolution, easy reading
- Automatically record the maximum pressure values during the measuring process
- Pressure bar presented in percentage synchronously
- Five units available : psi, bar, kpa, Mpa, kg / cm2
- Can be set to auto-off within 0 ~ 15min
- Micro-power consumption, work over 2 years in power-saving mode, 2,000 hours continuous work.
- Parameter correction, zero and error adjusting on field application.
- Pressure range limit already set before use
- Sampling rate: 4 times / sec
- Be applicable to gases and liquids medium which are compatible with stainless steel

Setting Instruction (please select 9V alkaline battery 6LR61 before battery changing)

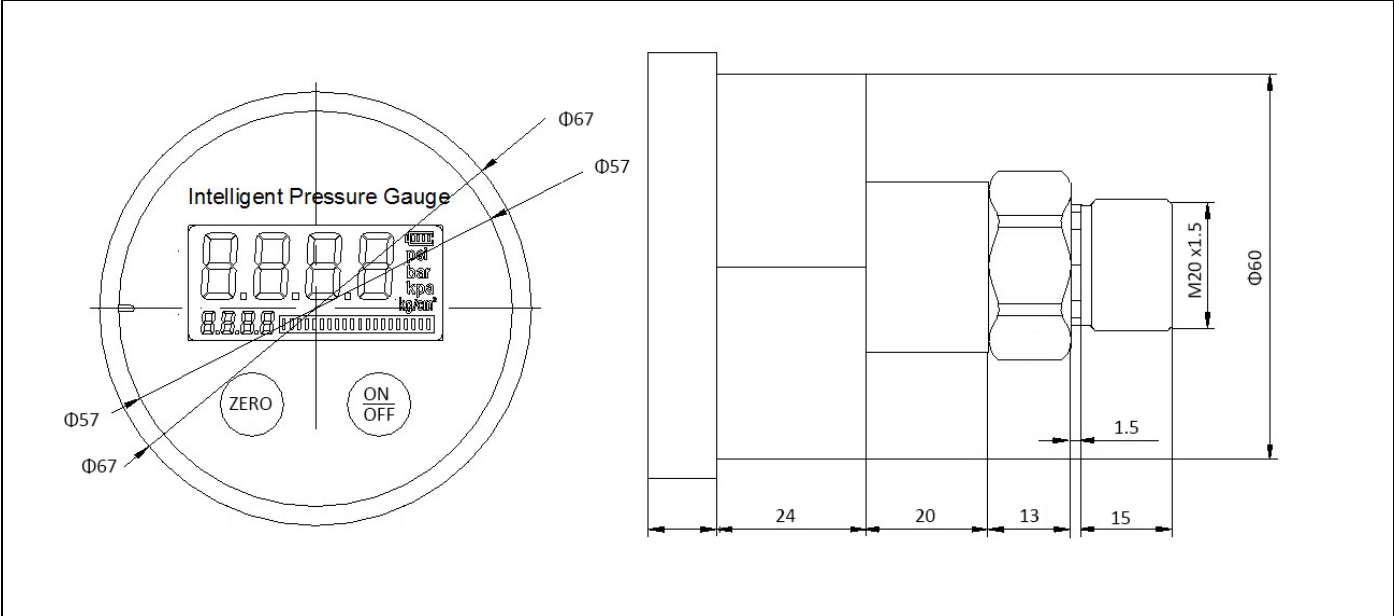
Measuring status (implement without any pressure)		Setting menu	
ON/OFF hold	Open/Close device	LOCD	Password input menu, can input password: 1000
ON/OFF hold long	Display units switch	OFFT	Auto-off time menu, available range: 00~15minutes, 00 means no auto-off function.
ZERO hold short	Clean the peak pressure value	BCLT	Back light time menu, available range: 00~15minutes, 00 means no back light function
ZERO hold long	Clean the display pressure value	END-	0: Exiting without saving the previous setting records 1: Exiting with saving the previous setting records
Setting status		Setting	
ZERO	Hold short to set the flashing digital, or move the next page; hold long to move the flashing position	Press "ZERO" and "ON/OFF" at the same time to trigger sub-screen displaying "LOCK", input password "1000" and press "ON/OFF" to setting status	
ON/OFF	Hold short to input new value (flashing digital from left to right), or confirm it when flashing stop; hold long for nothing	1.Short press "ZERO"button to choose the menu, 2.Short press "ON/OFF"button to change the value, 3.Short press "ON/OFF"button to confirm the change of the value	
4. Short press ZERO"button to choose "end-"menu, when "1"appears, press "ON/OFF"button to keep the change ,then exit all menus.			

Pressure Connections and Dimensional Drawings

Bottom Mounting: for range under 100KPa



Back Siding Mounting



Specifications

Measuring Range	-0.1~0~100MPa	Pressure type	M20 x 1.5, G1/2
Overload pressure	2 times of rated pressure	Pressure type	Gauge Pressure
Display	LCD	Battery	9Vdc/6Vdc (alkaline battery 6LR61)
Accuracy	±0.5%F.S	Display	-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