

## ESC202 Intelligent Pressure Controller

- ✓ Pressure type: Gauge
- ✓ Casing Diameter:  $\Phi 100$
- ✓ Display: 4-digit LED
- ✓ Pressure Range: 0~100Mpa
- ✓ Precision: 0.2%F.S
- ✓ Stability:  $\leq 0.1\%F.S/Year$
- ✓ Power supply: 24Vdc/220Vac
- ✓ Working temperature:  $-20\sim 70^{\circ}C$
- ✓ Display range: -1999~9999
- ✓ OEM: Available



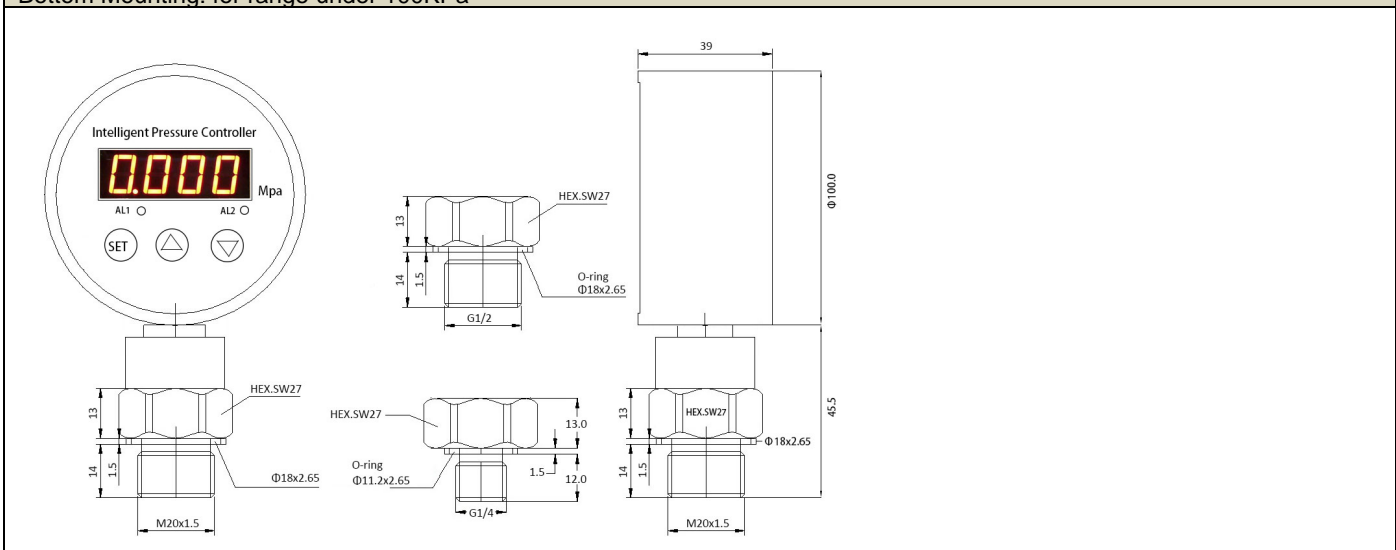
### Product Introduction

ESC202 series is an intelligent digital display product for pressure testing and controlling. It integrates functions of measuring, display, output and control all in one. It has a complete electronic structure. Oil-filled piezoresistive pressure sensor with diaphragm is applied in the front part. The output is processed by high-precision & low-temperature drift amplifier, and then transformed by high accuracy A/D converter into digital signal that could be processed by MPU (Micro Processor Unit). The processed signals control two switches then to test & control the pressure performance.

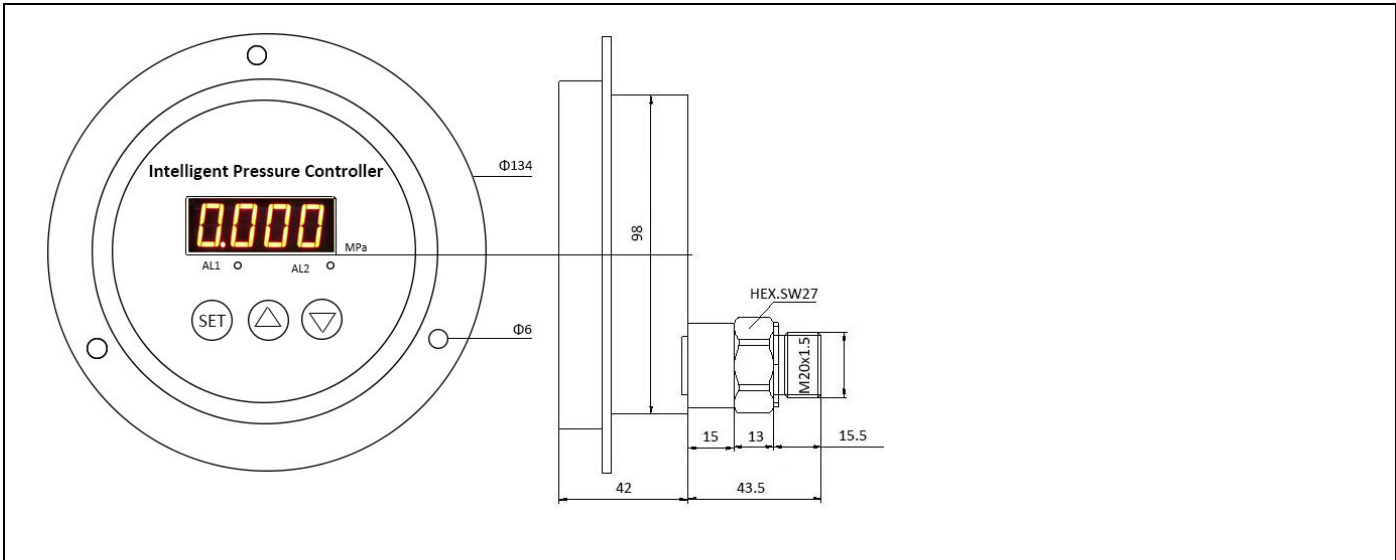
With flexible application, simple handling, easy debugging and high reliability, this product has been widely applied to test & control the pressure of fluid medium in many industries including areas of hydroelectricity, city water, oil, chemical, machinery hydraulic system etc.

### Drawing and Specifications

Bottom Mounting: for range under 100KPa



Back Siding Mounting

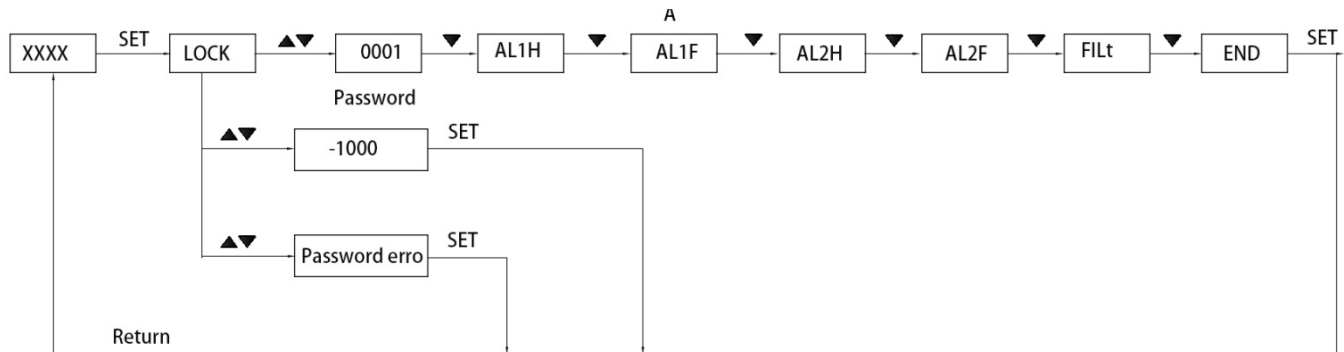


- Please adopt hose connection for decoupling in case of heavy vibration and shock circumstance.
- Please earth the casing if adopt hose connection.
- Please make sure all connectors must be treated properly and carefully.
- Please keep distance and stay away from electromagnetic.

Measuring Range	0~100MPa	Pressure type	M20 x 1.5, G1/2 , G1/4
Overload pressure	2 times of rated pressure	Pressure type	Gauge Pressure
Display	0.56"Digital LED ±0.5/55°C	Power supply	24Vdc/220Vac
Accuracy	0.2%F.S	Display range	-1999~9999
Stability	≤0.1%F.S/Y	Relative humidity	≤80%
Working temperature	-20 ~ 70°C	Material of casing	304SS

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

## Setting



	Functions
AL1H	Switch 1 connect
AL1F	Switch 1 disconnect
AL2H	Switch 2 connect
AL2F	Switch 2 disconnect
FILt	Filter coefficient. To avoid digit display from fluctuating which is caused by pressure change. After 3-10seconds, it can be set END then save then exit. The bigger the filter coefficient is, The more stable it is, but the more hysteric.
END	Save and Exit
<p><b>Note:</b> Switch points are determined by the configuration of the present connection and disconnection value. When connection value is higher than disconnection value, it is called upper-limit alarm output (normally open status); when connection value is lower than disconnection value, it is called lower-limit alarm output (normally close status); the deviation between connection and disconnection value is the return difference for the switch point.</p>	

Example	
<p>1. Set switch point 1 at upper-limit alarm output (normally open status), connect at 4Mpa and disconnection when lower than 3.95Mpa, response delay is 3 seconds</p> <p>2. Set switch point 2 at lower-limit alarm output (normally close status), connect at 10Mpa and disconnection when lower than 9.95Mpa, response delay is 10 seconds</p>	
1	Enter the menu: Set AL1H=4.00 AL1F=3.95 AL2H=9.95 AL2F=10.00
2	Press "SET" button
3	Display "LOCK" (input password)
4	Press ▲ or ▼ to input password 1
5	Press "SET" to confirm
6	Press ▲ or ▼ to previous or next page to select menu (AL1H、AL1F、AL2H、AL2F、END)
7	Press "SET" the enter into the selected menu
8	Press ▲ or ▼ to change configuration
9	Press "SET" to confirm if need
10	Press ▲ or ▼ to select other menu
11	Press "END" after changing
12	Press "SET" confirm changing and exit with saving
13	No data changes save and exit automatically if no action takes within 30 second.