

# DIGI-60A 4-20mA

## 1. NOTICE

1. Please check the packaging and appearance after you received the product.
  2. Please check the mode and specification of the product. Keep correct electrical connection and mounting method.
  3. Please installation WITHOUT power.
  4. During using, please notice the technical and operation conditions: the temperature of medium, burst pressure, power supply.
  5. This product is a precision device, DO NOT use hard objects to touch the diaphragm or disassemble.
  6. During installation, do not install or disassemble strongly, especially the installation of thread.
  7. Please install or disassemble with a suitable wrench, Otherwise, the damage is not in the scope of warranty.
  8. After starting the gauge, it is a normal phenomenon to take a few minutes to keep it stable and work normally.
  9. If the product is out of order, please contact our after-sale technical staff.
  10. During installation, the gauge will be affected by installation stress. After installation, please zero clearing.
- (!!)The product damage caused by non-professional operation according to the operation regulation is not the scope by the warranty.

## 2. WARNING

1. When operation temperature is above 60 degree, please use forced fans or cooling machines, but do not let the cooling air blow to the switch directly.
2. The installation, commissioning and maintenance of this product shall be conducted by qualified engineers or technicians member.
3. If the malfunction or exception of this product is likely to result in a major system accident, please set up an appropriate protective circuit outside to prevent accidents.
4. The company does not undertake any direct or indirect loss other than the product itself.
5. The company reserves the right to change the manual of the product without notice.

## 3. DESCRIPTION

This remote transmission pressure gauge is an economical digital pressure transmitter with a built-in high-precision pressure sensor, which can accurately display the pressure in real time and transmit the pressure signal remotely. It has the characteristics of high accuracy and good long-term stability.

This remote transmission pressure gauge adopts LCD display, with multiple functions such as unit switching, zero calibration, full scale correction, digital filtering, etc., simple operation and convenient installation.

This product can measure water, oil, air and other non-corrosive media to stainless steel, and can replace the traditional pointer type remote pressure gauge or pressure transmitter.

## 4. TECHNICAL SPECIFICATIONS

Pressure range: -0.1~0.1...0.6...1...1.6...2.5...6...10...60MPa

Pressure type: gauge pressure, negative gauge pressure

Overload pressure: <10MPa 200%; ≥10MPa 150%

Accuracy grade: 0.5% FS

Long-term stability: 0.5% FS/year

Power supply: 12-28VDC (24VDC)

Output signal: 4-20mA

Load impedance: ≤500Ω

Operation temperature: -20~60℃

Display screen: 4-digits LCD display

Backlight color: white

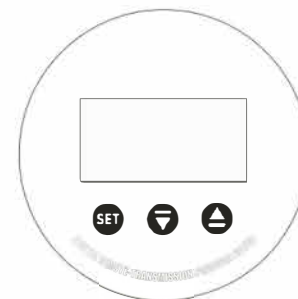
Measuring medium: air, water, oil and other non-corrosive media to stainless steel.

Case material: 304 stainless steel

Connection material: 304 SS (or customized)

Product functions: unit switching, clearing, digital filter adjustment

## 5. KEY DESCRIPTION



### 5.1 KEY DESCRIPTION

Key	Definition	Description
SET	Set key	Long press to enter parameter setting state
▲	Increasing key	Short press to increase When changing the password, long press to shift
▼	Decreasing key	Short press to enter system function, adjust the number short press to decrease

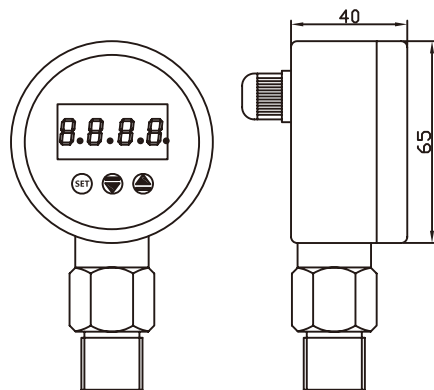
### 5.2 LCD DISPLAY



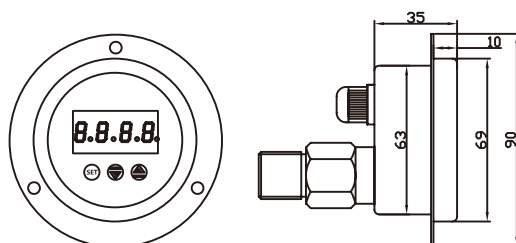
Status	Description
Operation status	Display current pressure and unit
Zero correction	Short press the SET key, and then long press ▼ for 5 seconds until the screen displays C--L, and the reset is completed (the reset must be operated without pressure) <b>Note: When the display pressure is higher than 10% of the range, it cannot be cleared</b>
Setting status	Refer to item 7 for general setting operation method

## 6.DIMENSIONS

UNIT: mm



Radial installation



Axial installation

## 7. FUNCTION DESCRIPTION

Long press key until display LoC, short press key enter, display 0000, modify the value by short press and key, Long press key for shifting, modify the password, default 1111. Password setting is complete, short press key to enter system function.

Symbol	Description	Operation
UNIT	Unit switch	Switch unit as request
Filtr	Filter constant	Default 00,(0~20) adjust
blt	Display digits	Number of decimal points(0~4) adjust
E00	Full scale correction coefficient	Default1.000(Correct full scale error)

Note: 1. The unit display varies according to different ranges.  
2. The larger the filter constant value, the slower the display jumps  
3. The number of decimal place varies according to the number of digits that can be displayed in different display units.

## 8.CODE INSTRUCTION

Series NO	Symbol	Meaning
1	E-E	The sensor is damaged
2	E-H	The current pressure exceeds the allowed range, or the sensor is damaged
3	E-P	Enter the calibration procedure, please power off and exit

## 9.PROBLEM AND SOLUTIONS

No.	Problem	Reason	Solution
1	No display when power on	Positive and negative wiring is connected incorrectly	Wire correctly according to the label
2	Unstable output signal	The pressure source itself is unstable Site interference	Check the pressure source Please be grounded reliably
3	Pressure does not change	1. The pressure hole is blocked 2. Caused by clearing under pressure 3. The sensor is damaged	1. Check the pressure port 2. Re-zero under no pressure 3. Return to factory for repair
4	Display E-H	1.pressure exceed the full range 2.the sensor is damaged	1.pls. do not exceed the full range 2. Return to factory for repair
5	Value jumps too slowly	Adjust filter constant	See item 7
6	Value jumps too fast	Adjust filter constant	See item 7
7	Frequent pressure shocks	1.Easy to damage sensor 2.Easy to cause leakage	Increase buffer tube
8	High temperature on site	1.Easy to damage the gauge 2.Cause the pressure deviation	Add heat pipe/fin

## 10. AFTER-SALE SERVICE

The guarantee period of product begins from the data of delivery and lasts for 1year. During the guarantee period, if the product itself had quality problems, we would provide free maintenance, exchange and return service.

The content of specific quality guarantee:

1. The spare parts or components of the product are failure, but it can be operate normally after exchange. This is free to repair.
2. The spare parts or components of the product are failure, and it can't be repaired on time. We would exchange a new, same specification of qualified product.
3. The main functions of the product because of design or manufacture is not meet the requirement of the contract or the enterprise standard, the client need to return goods. We should recover the fault product and return the payment for the goods to the client.

\*\*\*Disclaimer

During the guarantee period, the product failure caused by followed cases, it beyond the warranty:

1. The failure caused by the inappropriate use of product by user.
2. The client disassemble, repair, refit the product at own discretion