

DIGITAL PRESSURE GAUGE

— MANUAL

I : 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.

II : 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. For the switch powered by 220VAC/380VAC, in order to avoid user access to power terminals and other high voltage parts, Please take necessary measures on the final equipment.
3. The installation, commissioning and maintenance of this product shall be conducted by qualified engineers or technicians member.
4. 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.
5. The company does not undertake any direct or indirect loss other than the product itself.
6. The company reserves the right to change the manual of the product without notice.

III : DESCRIPTION

This gauge is a economical digital pressure gauge. It has a high-precision sensor and display the pressure accurately in real time, equipped with a large size LCD.

It has a various of features, such as zero clearing, backlight, on/off button, units, low voltage alarm. And it is convenient to install and easy to operate.

It can be used to measure gas, liquid, oil and other non-corrosive mediums of stainless steel. It applies to these fields: pressure container, automation equipment, matching with laboratory equipment.

IV : SPECIFICATION

Pressure Range: -0.1~0.1...0.6...1...1.6...2.5...6...10...25MPa

Pressure Type: Gauge pressure, Negative gauge pressure

Overload Capacity: < 10MPa 150%; ≥10MPa 120%

Accuracy: 1% (Specific Reference to Product Label)

Long-term Stability: 0.5%FS/Year

Power: 3V (2 pieces AAA Battery)

Battery Life: 12~18 months

Sampling Rate: three times/second

Screen: 4-digit LCD screen

Back-light: White

Medium: Air/liquid corrosion-free media for stainless steel

EMC: Anti-EMI Design, Symbol EN61326 Standard

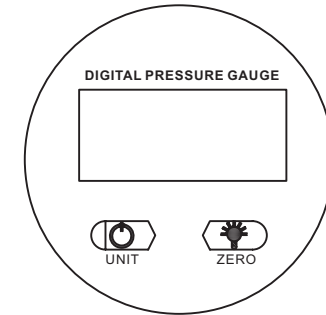
Data Memory: Permanent EEPROM

Shell : 304 stainless steel

Connector: 304 stainless steel

Function: back-light, on/off, pressure units, zero clearing

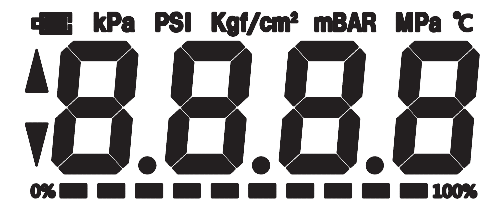
V: KEY NOTE



5.1:KEY NOTE

KEY	FUNCTION	DESCRIPTION
⏻	ON/OFF	Long press to power on, short press to power off
	UNIT	Short press to change pressure units circularly
🌟	BACK-LIGHT	Short press, the back-light will light on for 20 seconds
	ZERO	Long press for 5 second to calibrate zero

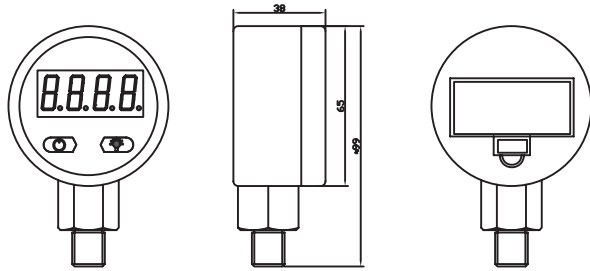
5.2: LCD



SIGN	DESCRIPTION
kPa PSI Kgf/cm² mBAR MPa °C	UNITS
🔋	BATTERY LIFE
0% ██████████ 100%	PRESSURE PROGRESS BAR

VI: DIMENSION DIAGRAM

UNIT : mm



VII: FUNCTION

1. On/off

Short press the power button to turn on and long press the power button to turn off.

2. Unit switching

Cyclic switching unit by pressing unit switching key.

3. Zero Clearing Function

Without pressure, press zero button for 4 seconds to clear the zero error.

4. Back-light function

Short press the back-light button and turn on the back-light for 20 seconds.

Long press the back-light for 3 seconds, and the back-light will remain bright until the back-light key is pressed again.

5. Adjusting the filter constant

Press On/off key + bac-k-light key at the same time, it will display 'r-03', indicating that the current filter constant is 03. The number can be set by pressing key button, and the range can be modified from 01 to 10. After setting up, press the back-light key to exit.

Note: The smaller the filter constant, the faster the digital change, the slower and more stable the digital change.

VIII : CODES

NO.	CODE	DESCRIPTION
1	E-E	Sensor destroyed.
2	E-H	The current pressure over the range or sensor destroyed
3	E-P	Entry program of pressure calibration. Operational error, please outage to quit.

IX: PROBLEM & SOLUTION

NO.	QUESTION	REASON	SOLUTION
1	Backlight dark	Battery power shortage	Change batteries
2	Battery sign flicker	Battery power shortage	Change batteries
3	Pressure no change	1.Pressure hole blockage 2.Clear zero with pressure 3.Sensor damage	1.Check the pressure hole 2. Zeroing without pressure 3.Depot repair
4	Show E--H	1.Pressure over range 2. Sensor damage	1.Attention not to over pressure 2.Depot repair
5	Digital jump too slowly	Adjust current sampling rate	Refer to VII.5
6	Digital jump too quickly	Adjust current sampling rate	Refer to VII.5
7	Pressure frequent impact	1.Easy to damage sensor 2.Easy to cause leakage	Add buffer tube
8	High temperature	1.Easily damage gauge 2.Causing pressure deviation	Add heat sink / radiator

X : AFTER-SALE SERVICE

After sales service and warranty clause

1. The warranty period is 12 months from the date of delivery. Our company's products from the date of sale within 7 days of normal use if there is a failure, consumers can choose refund, exchange, maintenance and other services. After the purchase of our company's products, it will be guaranteed free of charge within one year if there is a non-human damage. For consumers who do not meet free replacement or free warranty services, our company still provides technical services.

The time of purchase is based on the invoice issued by distributor or the date of receipt.

2. Products are mainly divided into shell, control elements and pressure sensitive components.

The shell is normal wear, use the old, these are not responsible for warranty and replacement.

Wiring error or control element damage of excessive load caused by circuit board is not responsible for warranty.

Pressure-sensitive original damage caused by over pressure or hard material touching the diaphragm is not responsible for warranty.

3. One of the following circumstances can not enjoy the "Three Guarantees" service:

- 1) Human factors damage and use in abnormal working environment, failures and damages caused by not using in accordance with the instructions or not accordance with the instructions of using in the environment.
- 2) Without the consent of our company, users disassemble, repair and refit products without permission.
- 3) Damage caused by bad transportation after purchase of our products.
- 4) Damage caused by other force majeure (such as floods, lightning strikes, earthquakes, abnormal voltages).
- 5) Normal using the old, wear, rupture and immersion etc.
- 6) Products that do not belong to our company (such as fake goods).
- 7) Can't show the valid shopping voucher, no warranty card, etc.