齐亚斯
Ziasiot
A Hogagroup Company

PT118 precision digital

instrument manual

Please read this manual carefully before installation

C E **certified**

content

1. Product description. 2.

Product Features. 3. Technical

parameters. 4. Appearance. 5.

Instructions for use6. Accessories

1. Product Description

PT118 series precision digital instruments are fully electronic, powered by batteries, and easy to install on site. The front end adopts a high-precision diffused silicon sensor, and the output signal is controlled by a high-precision, low-temperature drift amplifier

It is amplified and processed, sent to a high-precision A/D converter, converted into a digital signal that can be processed by the microprocessor, and after calculation and processing, the actual pressure value is displayed on the LCD display.

The battery-powered digital display pressure gauge is flexible in use, simple in operation, easy in debugging, safe and reliable. Widely used in hydropower, tap water, petroleum, chemical, machinery, hydraulic and other industries to measure and display the pressure of fluid media.
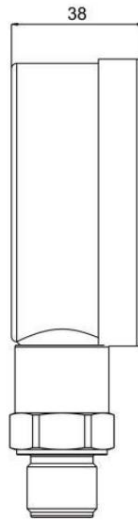
2. Product Features

1. Large measurement range, intelligent, high precision.

2. Large-screen LCD display with high resolution, ignoring value errors. 3. Choice of five engineering

units: psi, bar, kpa, kg/cÿ Mpa. 4. Micro power consumption, can work for more than 1 year, and can work continuously for 2000

hours. 5. High precision, high stability, high reliability, strong anti-interference ability. 6. It is suitable for pressure measurement of

various gases and liquids compatible with stainless steel.

3. Technical parameters

parameter	parameter value	parameter	parameter value
Measuring range	-0.1~0-0.02~100MPa	Accuracy class	0.1, 0.2, 0.5
stability	ÿ0.2% /year	Display method	LCD
pressure type	Gauge pressure, absolute pressure, sealed gauge pressure	Power supply	3V (2 AAA batteries)
overload capacity	1.5 times full scale,	degree of protection	IP65
temperature effect	Within the specified working temperature, for every 10°C change in the ambient temperature, the output change ÿ ±0.05% of the range		
Medium temperature	-30ÿ~85ÿ	Operating temperature	-20ÿ~+80ÿ
Relative humidity	0~90% non-condensing	storage temperature	-40ÿ~+100ÿ

4. Appearance

5. **Instructions for use**

1. Function key " ", right key

The main function is to enter the menu key, and to turn on the backlight. In the case of normal display, short press this "button" to turn on or turn off the backlight.

Long press this "button" and the backlight will flash. After the flashing stops, "LOCK" will be displayed, then enter the password and press the left "UNIT" button to enter the menu. In the case of menu options, press this "button" to Enter specific settings.

2. Shift key. "ZERO", the middle and lower buttons. The

shift key is mainly used for the shift function when entering the password. In addition, when setting the value, modify the set value function.

3. Auto-increment key " ", middle and upper keys. When

entering the password, the function of increasing the value of the current digit. In addition, when setting the value, modify the set value

function. 4. Function key "UNIT", left key.

The main function is to press this "button" to switch in units under normal display conditions, and to confirm the button when entering the menu.

Press and hold the " " key to display Lock, enter the password "0001", press "UNIT" to confirm and enter the user menu, if the password is entered incorrectly, it will automatically return to the measurement mode.

User menu oFFt: shutdown time, when the value is 0, it means no shutdown, 1~15 corresponds to the shutdown time, the unit is minute. bClt: Backlight off time, no operation means turn off the backlight, 0 means

off, other values are the corresponding seconds. No backlight please ignore.

IntE: Sampling interval, the larger the setting value, the longer the sampling time, the smaller the value, the faster the response time, and the greater the power consumption.

Filt: filter coefficient, the set value represents the output display value of the sampling value, how many sampling values are used to calculate the average, and then display, the larger the value, the more accurate, and the smaller the display, the more sensitive.

Unit: unit selection;

ZERO: Mask value of zero point, per thousandth of the range.

6. Accessories

1	Precision Digital Instruments	one
2	manual	one copy
3	certificate	one copy