LEFOO

LFT6100
DIGITAL PRESSURE GAUGE
Product Operation Manual

- White backlight for easy nighttime viewing
- Auto-off feature extends battery life
- Display content is clear and easy to read
- 5-digit real-time pressure display on the main screen
- A variety of pressure unit conversion, international
- Graphical pressure percentage and battery level display

Product description

The digital pressure gauge is an all-electronic structure, powered by a battery, and is easy to install on site. The front end adopts high-precision piezoresistive pressure core, which is processed by amplifier and microprocessor, and the actual pressure value is displayed by LCD. The intelligent digital pressure is flexible to use, simple to operate, easy to debug, safe and reliable. It is widely used in hydropower, tap water, petroleum, chemical, machinery, hydraulic and other industries to measure and display the pressure of fluid medium.

Technical parameter

Measuring range:	-0.1~0~60MPa
stability:	≤0.1%/year
Display method:	LCD
Ambient temperature:	-20℃~60℃

Mounting thread:	M20*1.5、G1/4 etc.
Accuracy class	0.25%
battery voltage	3VDC
Display range	-100~99999
Relative humidity	≤80%
Interface material	Stainless steel

Function settings

1.Key Function

" ⏻ "The on/off key is the "S1" key Function description:
- In the measurement mode, it is the on-off function;
- In the setting mode, it is the setting key and the confirmation key.

"ZERO" reset key is "S2" key Function description:
- In the measurement mode, long press is the pressure zero display clearing function, and the short press function is invalid in this mode;
- In the setting mode, it is the number selection key and the function up key

"UNIT" unit key is "S3" key function description
- Short press to switch units in measurement mode.
- In the setting mode, when the character is displayed, the function is to return to the previous menu; when the number is displayed, the function is to switch the selected number

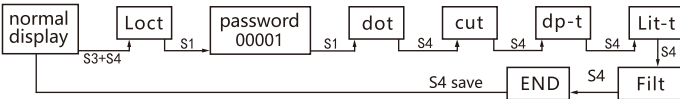" ☼ " Backlight on/off key is the "S4" key Function description:
- In measurement mode, long press to turn on and off the backlight
- In the setting mode, it is digital plus, or the function down key . Also acts as a data acquisition key during calibration.

Note: In order to facilitate the description of the settings, the four buttons are named with their numbers "S1", "S2", "S3" and "S4".

2. Set up the block diagram

Description: S3+S4 means pressing "UNIT" and " ☼ " at the same time. S1 means " ⏻ " press. When a parameter needs to be set, press S1 to set, press S3 to switch the selected number, press S4 to modify the selected number, and press S1 to confirm after modification.

3. Setting block diagram description

Loct: password input menu, the password is "00001";

Dot: Displays the number of decimal places. 0 means no display, 1 means display 1 decimal;

**Cut:** small signal cut, value near zero cut off;

DP-t: automatic shutdown time: "0" means no automatic shutdown, and other numbers represent the number of seconds for automatic shutdown.

Lit-t: Backlight setting. "0" means the backlight will not turn off automatically, and other numbers represent the number of seconds to turn off the backlight automatically.

FiLt: filter coefficient. Larger numbers are more stable;

**Note:** For the convenience of description, each parameter above is called a menu

4. Setting method

①. Press "UNIT" and " ☼ " at the same time, when the screen displays "Loct" input "00001", and press " ⏻ " to confirm;

②. Press " ☼ " to switch down the menu, and press "UNIT" to return to the previous menu;

③. Press " ⏻ " to modify the current menu;

④. Press " ☼ " to modify the flashing numbers, and "UNIT" switches the flashing numbers;

⑤. Short press the " ⏻ " key to save the modified value.
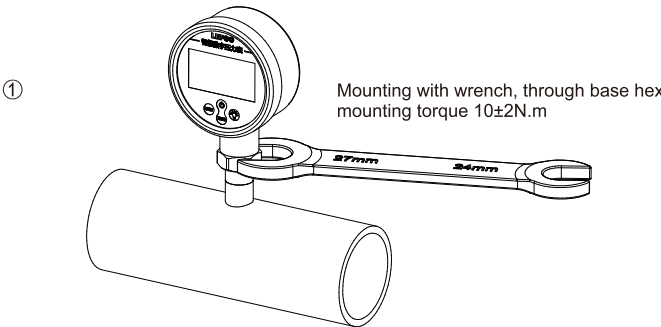
Usage notice

- The storage and use of the instrument is suitable for the occasions where the ambient temperature is -20℃~60℃ and the relative humidity is less than 80%.
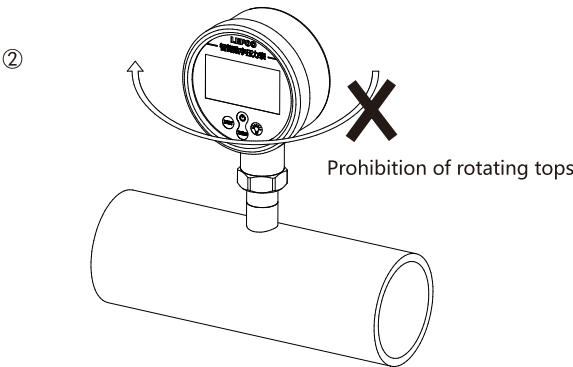- Please use 1.5V-7 battery when replacing the battery.

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When ordering, the measuring range, accuracy grade and interface size should be indicated

Installation Instructions

①

Mounting with wrench, through base hex; mounting torque 10±2N.m

②

Prohibition of rotating tops