

## HD-100G Precision Digital Pressure Gauge

### Product Introduction

HD-100G is our company's newly developed precision digital pressure gauge which suitable for field measurement. It is with high accuracy and long-term stability. Its micro power consumption design, greatly reducing the user's frequency for replacing battery. It is very suitable for field pressure measurement, laboratory use, general pressure gauge and precision pressure gauge measurement. It can completely replace the pointer precision pressure gauge.

### Application Description

- ❖ Adjusting and calibrating common pressure gauge, precision pressure gauge, sphygmomanometer etc.;
- ❖ Precision pressure measuring;
- ❖ Scientific research experiment;

### Main Character

- ❖ Wide range temperature compensation make measurement more accurate;
- ❖ Strict aging process, long-term stability and reliability;
- ❖ Large LCD screen, more intuitive for large font;
- ❖ Ultra low power design, battery is more durable;
- ❖ High-speed pressure sampling up to 10 times per second. Pressure sampling period could adjust;
- ❖ Multiple pressure unit switching: MPa、bar、psi、kgf/cm<sup>2</sup>、mmH<sub>2</sub>O、mmHg、inH<sub>2</sub>O、inHg、kPa、Pa、hPa、mbar; Which can realize **11** pressure unit transform easily.
- ❖ Automatic Peak Records, record the max and min value during measuring;
- ❖ Support user pressure calibration, two-point (full range point, zero point) calibration, easy and fast operation;
- ❖ Power: Standard lithium battery ER18505, which is convenient for users to replace;

### Using Environment

- ❖ Environment temperature: (-20~70) °C;
- ❖ Storage temperature: (-30~80) °C;
- ❖ Relative humidity: <95%RH;
- ❖ Atmospheric pressure: (86~106) kPa;

## LCD Display

- ❖ Full-view LCD screen with no blind spots;
- ❖ High brightness backlight, easy to read with low illumination;
- ❖ 5 digits display with high resolution;
- ❖ Dynamic progress bar pressure indication and pressure percentage indication;

## Power Supply

- ❖ Default: ER18505 Lithium battery powered, 3.6V;
- ❖ 18500 Rechargeable 4.2V battery for optional
- ❖ Optional: 5V、12V、24V powered, power adapter power supply;

## Mounting Dimension

- ❖ Diameter: head $\phi$ 100mm × 50mm, length 160mm;
- ❖ **Thread: M20 × 1.5 G1/2 NPT1/2** (or According to customers' requirements) ;
- ❖ Weight: about 0.8 kg for gross weight.
- ❖ Package size(inner box): 25.3cm×20.3cm×7.1cm
- ❖ Mounting: Bottom. (Back or with flange for optional);

**Accuracy:**  $\pm 0.5\%$   $\pm 0.2\%$   $\pm 0.1\%$   $\pm 0.05\%$   $\pm 0.02\%$

**Pressure range:** Between -100Kpa~100Mpa

**Pressure unit:** MPa、bar、psi、kgf/cm<sup>2</sup>、mmH<sub>2</sub>O、mmHg、inH<sub>2</sub>O、inHg、kPa、Pa、hPa、mbar.

