

ASP-100G Precision Digital Pressure Gauge

Application Description

- ❖ Adjusting and calibrating common pressure gauge, precision pressure gauge, sphygmomanometer;
- ❖ 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: mmH₂O、mmHg、inH₂O、inHg、kgf/cm²、psi、kPa、MPa、Pa、hPa、mbar、bar; 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;
- ❖ Optional: 5V、12V、24V powered, power adapter power supply;

Mounting Dimension

- ❖ Diameter: headφ100mm × 50mm, length 160mm;
- ❖ Thread: M20 × 1.5 G1/2 NPT1/2 (or According to customers' requirements) ;
- ❖ Weight: about 0.5kg;
- ❖ Mounting: Bottom. (Back with flange for optional);

Measuring Range

- ❖ -100Kpa~100MPa; (Between this range, 11 pressure unit transfer easily.)

Accuracy Class

- ❖ ±0.2%; ±0.1%; ±0.05%; ±0.02%

