



ASP-80G Precision Digital Pressure Gauge

Product Introduction

ASP-80G intelligent digital pressure gauge is suitable for pressure laboratories, equipment supporting, industrial process control, pressure monitoring and other fields. The product has a built-in high-precision pressure sensor, with good precision and long-term stability.

ASP-80G digital pressure gauge is equipped with a large-size LCD display. It has multiple functions such as clearing, backlight, power on and off, unit switching, etc. Simple operation and easy installation.

Application Description

- ❖ Scientific research experiments, pressure laboratories;
- ❖ Instrument matching;
- ❖ Portable pressure measuring equipment;
- ❖ Pressure monitoring instruments and calibration instruments;
- ❖ Machinery & Electronics;
- ❖ Construction machinery automation, industrial process control;
- ❖ Replacement of pointer precision pressure gauge;

Main Character

- ❖ 4-digit LCD screen displays pressure in real time, making it easy for customers to observe on site;
- ❖ Unit switching, clearing, backlight, on/off etc. functions;
- ❖ 9 pressure unit switching: MPa, bar, psi, kgf/cm², mmH₂O, mmHg, inH₂O, inHg, kPa, mbar;
- ❖ Low power consumption design, battery powered, can last up to 12 months;
- ❖ Built-in high-precision pressure sensor, optional accuracy: $\pm 0.5\%$, $\pm 0.2\%$;

Using Environment

- ❖ Environment temperature: $(-20 \sim 70) ^\circ\text{C}$;
- ❖ Storage temperature: $(-30 \sim 80) ^\circ\text{C}$;
- ❖ Relative humidity: $< 95\% \text{RH}$;
- ❖ Atmospheric pressure: $(86 \sim 106) \text{ kPa}$;

Technical parameters

Measuring range	-100kPa...0~10kPa...100MPa optional
Pressure type	Gauge pressure, absolute pressure, sealed pressure
Accuracy level	0.5%FS, 0.2%FS
Optional	ASP-80C- RS485, ASP-80T -4-20mA, ASP-80R - Relay Contact
Temperature compensation	0~60℃
Electrical protection	Anti-electromagnetic interference design
Sampling frequency	5 times/second
Overload pressure	120% ($\geq 10\text{Mpa}$); 150% ($< 10\text{Mpa}$)
Measuring medium	Gas or liquid compatible with 304 stainless steel (water, oil, gas are all acceptable)
Thread size	M20*1.5, G1/2, NPT1/2, G1/4, NPT1/4 optional
Material	304 stainless steel housing, 316L sensor diaphragm
Power supply	2 PCS AAA batteries

Product Pictures

