

KDS - Digital Pressure Gauge



The DPG200 is a high-precision intelligent digital pressure gauge with built-in high-precision pressure sensor that accurately displays pressure in real time and features high precision and long-term stability.

This digital pressure gauge is equipped with a large-size LCD liquid crystal display with 5-bit display. It has various functions such as clearing, backlighting, power on/off, unit switching, low voltage alarm, peak recording, etc. It is easy to operate and easy to install.

The product adopts 304 stainless steel shell and joint, which has good shock resistance and can measure gas, liquid, oil and other non-corrosive medium for stainless steel.

The DPG200 digital pressure gauge is powered by three 5th batteries, and can also be powered by USB. The battery life is low and the time is long.

Applications

- ◇ Water treatment system
- ◇ Water pump and air compressor
- ◇ Mechanical and electrical equipment automation
- ◇ Construction machinery
- ◇ Medical equipment
- ◇ Hydraulic and pneumatic systems
- ◇ Laboratory
- ◇ Test stand

Technical characteristics

- ☆ 304 stainless steel matte casing, dial diameter 100mm
- ☆ With pressure scale bar indicating the current pressure percentage
- ☆ 5-digit display with high resolution
- ☆ Accuracy level: 0.4 level 0.2 level level (optional)
- ☆ 3 sections of 5th battery power supply, can last for 18-24 months
- ☆ Maximum and minimum record function
- ☆ 13 kinds of pressure unit switching (Mpa, kpa, pa, psi, bar, kgf/cm², mbar, inH₂O, mmHg, lorr, ATM, mmH₂O)
- ☆ One-button clear zero error
- ☆ USB power supply, battery dual power supply
- ☆ Strong media compatibility, can measure water, oil, gas and other media that are non-corrosive to stainless steel

Parameter index

Pressure range	Vacuum range: (0~-100) kPa 0-100kPa (absolute pressure) 0-250kPa (absolute pressure) 0-400kPa (absolute pressure) 0-1.0MPa (absolute pressure) Compound range: (-0.1~0.1)MPa (-0.1~0.25)MPa (-0.1~0.4)MPa (-0.1~0.6)MPa (-0.1~1.0)MPa (-0.1~2.5)MPa (-2.5~2.5) (-5~5) kPa (-10~10) kPa (-25~25) kPa (-50~50) kPa Micro pressure range: (0~2) kPa (0~5) kPa (0~10) kPa (0~25) kPa (0~50) kPa (0~100) kPa Conventional range: (0~160) kPa (0~250) kPa (0~400) kPa (0~600) kPa (0~1) MPa (0~1.6) MPa ... (0~60) MPa High pressure range: (0~100) MPa
Pressure type	gauge pressure, negative gauge pressure, absolute pressure
Overload	capability: <10MPa 150%; ≥10MPa 120%
Accuracy rating	0.2% FS 0.4% FS (optional)
Long-term stability	0.2% FS / year
Supply voltage	4.5V (3 AA batteries) or USB powered
Battery life	≥18 months (subject to specific operating conditions)
Sampling frequency	3 times / sec (user adjustable)
Display screen	5-digit LCD display
Backlight color	white
Measuring medium	air, water, oil, etc.
Electromagnetic compatibility	anti-electromagnetic interference design, in accordance with EN61326
Data Memory	Permanent EEPROM
Peak record	Yes
Case material	304 stainless steel
Interface material	304 stainless steel
Product features	backlight, power on / off, unit switching, peak recording, pressure percentage display