

智能数字压力表

Smart digital pressure gauge

产品概述 Product Overview

该系列产品是一款数字压力表，内置高精度压力传感器，能够准确的实时显示压力，并且具有精度高、长期稳定性好的特点。

该款数字压力表配备大尺寸LCD液晶显示，具有清零、背光、开关机、单位切换、低电压报警等多种功能，操作简单，安装方便。产品采用304不锈钢壳体 and 接头，抗震性好，能够测量气体、液体、油等对不锈钢无腐蚀的介质。

数字压力表适用于便携式压力测量、设备配套、校验设备等压力测量领域。

This product series is a digital pressure gauge equipped with a high-precision pressure sensor. It can accurately display real-time pressure and is known for its high accuracy and excellent long-term stability.

The digital pressure gauge features a large-sized LCD display, offering functions such as zeroing, backlighting, power control, unit conversion, and low voltage alarm. It is easy to operate and convenient to install. The product is made with a 304 stainless steel housing and fittings, providing good shock resistance.

It is capable of measuring gases, liquids, oils, and other non-corrosive media to stainless steel. The digital pressure gauge is suitable for portable pressure measurement, equipment integration, calibration equipment, and other pressure measurement applications.



技术特点 Technical Features

- 产品美观，采用304不锈钢100mm直径表壳；
- 超大LCD液晶屏，支持11种单位切换；
- 清零、背光、开关机、极值记录多种功能使用；
- 低功耗设计，2节AAA电池，续航12个月以上。
- Sleek and attractive design with an 100mm diameter stainless steel housing (304 Grade).
- Large LCD display for easy and clear reading, supporting 11 units of measurement.
- Multiple functions available, including zeroing, backlighting, power on/off, and peak value recording.
- Certified with CE certification and Exib IICT4 explosion-proof certification for safety and reliability.

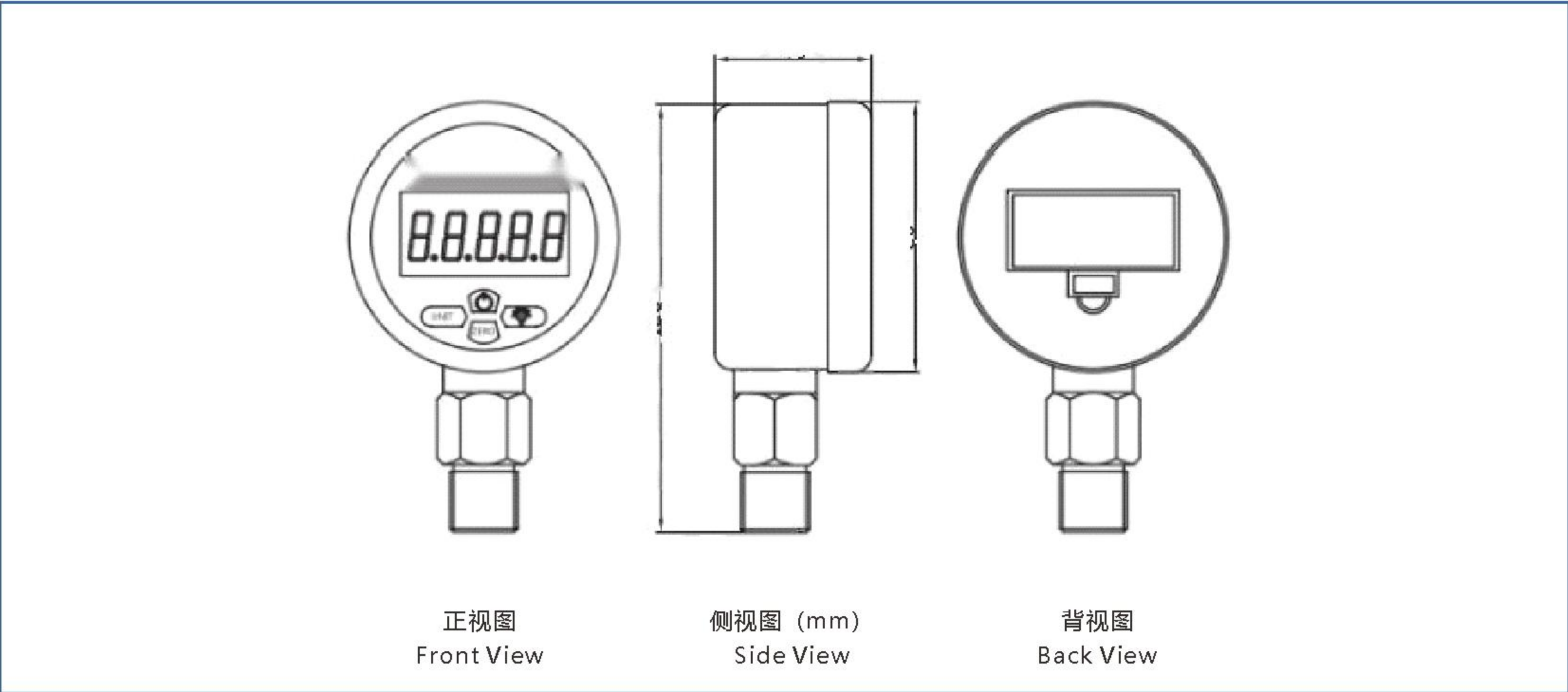
产品应用

Product Applications

- 机械电子行业；
- 仪器仪表配套；
- 压力实验室；
- 工程机械自动化；
- 替代指针精密压力表，可做标准压力表，用于校验压力变送器及普通压力表。
- Mechanical and Electronic Industry.
- Instrument and Measurement Support.
- Pressure Testing Laboratory.
- Automation in Construction Machinery.
- Digital Precision Pressure Gauges can replace traditional pointer-based precision pressure gauges and can be used as standard pressure gauges for calibrating pressure transmitters and general pressure gauges.

产品尺寸

Product Dimensions



技术参数

Main Technical Specifications

量程 Measurement Range	负压/复合: -0.1~0..0.1..1.6MPa 微压: 0~10.40..60kPa 常规: 0~0.1..1.0.6MPa 高压: 0~10..25..60MPa 超高压: 0~100.160MPa	Negative/Compound: -0.10.00.1~1.6MPa Micro Pressure: 010.4060kPa Standard: 00.11.0.6MPa High Pressure: 01025~60MPa Ultra High Pressure: 0~100.160MPa
过载压力 Overload Pressure	150% (>10MPa) , 200% (≤10MPa)	
背光颜色 Backlight Color	白色背光 White backlight	
表盘尺寸 Dial Size	100mm	

精度等级 Accuracy Grade	0.4%FS, 0.2%FS, 1.0%FS*部分量程 1.0%FS, 0.2%FS , 1.0%FS* partial range
供电电压 Power Supply	3V (2节AAA电池) 3V (2AAAbatteries)
长期稳定性 Long-term Stability	优于±0.25%FS/年 Better than ±0.25% FS/year
工作温度 Operating Temperature	-10 ~ 60℃ (特殊定做可测量-20℃~150℃) -10 ~ 60℃ (Special customization: -20℃~150℃)
电气保护 Electrical Protection	抗电磁干扰设计 Anti-electromagnetic interference
测量介质 Measuring Medium	与304不锈钢兼容的气体或液体 Compatible with gases and liquids compatible with 304 stainless steel
压力接头 Pressure Connection	M20*1.5 G1/4或定制螺纹 M20*1.5 G1/4 or customized thread
接头材质 Connection Material	304不锈钢 304 Stainless Steel
外壳材质 Housing Material	304不锈钢 304 stainless steel
产品功能 Product Functions	开机/关机背光清零单位切换极值记录 Power on/off, backlight, zero reset, unit switching, peak value recording
电量显示 Battery Indicator	四段显示 Four-level display
产品认证 Product Certification	CE认证Exib IICT4防爆认证 CE certification, Exib IICT4 explosion-proof certification
压力单位 Pressure Units	MPa、bar、kgf、mH2O、PSI、kPa、mmHg、torr、mBAR、cmH2O、Pa
防护等级 Protection Rating	IP50 (IP54加保护套) IP50 (IP54 with protective cover)

选型指南

Selection Handbook

