

APM300 Universal Pressure Transmitter

Product Introduction

APM300 universal pressure transmitter uses diffused silicon pressure core as a sensitive element, built-in digital processing circuit to convert sensor millivolt signal into standard current and voltage output signals, which can be directly connected to computers, control instruments, frequency converters, PLCs, display instruments, etc. The selection of high stability and high reliability piezoresistive pressure sensor and high-performance digital dedicated circuit, the overall performance is stable and reliable, and long-distance remote signal transmission can be carried out. The use of stainless steel integrated structure, built-in cushioning and damping after multiple pleating and potting treatment, to achieve solid state and high stability, easy installation, with high vibration resistance, moisture resistance and impact resistance, in harsh environment can be used for a long time.



Characteristic

- ◆ All stainless steel construction and potting treatment
- ◆ Digital special circuit, current and voltage signal output
- ◆ Strong anti-interference, good long-term stability
- ◆ The form and structure are diversified, and the installation and use are convenient
- ◆ Wide measuring range for measuring absolute pressure, gauge pressure and seal reference
- ◆ Pressure against vibration and shock
- ◆ Small size, easy to install

Technical Performance

Range range	-100~20Kpa~100Mpa
Type of pressure	Gauge pressure, absolute pressure, sealing pressure
Output signal	4-20mA 0-5V 0-10V
Power supply	12~24VDC (typical) 9~12VDC
Accuracy class	0.5%FS (typical) 0.3%FS 0.2%FS 0.1%FS
Compensate for temperature	-10~70℃
Operating temperature	-20~80℃
Zero temperature drift	0.5%FS (max)
Sensitivity, temperature drift	0.5%FS (max)
Pressure overload	10 times below 2Mpa ; 25Mpa above 1.5 times
Mechanical vibration	20g(20-5000HZ)
Sample time	1 second 20 times
Long-term stability	≤ 0.2% FS/ year
insulation	100MΩ/250VDC
Degree of protection	IP65
Explosion-proof rating	Exia II. CT6
Media compatible	A wide range of fluid media compatible with 316L stainless steel