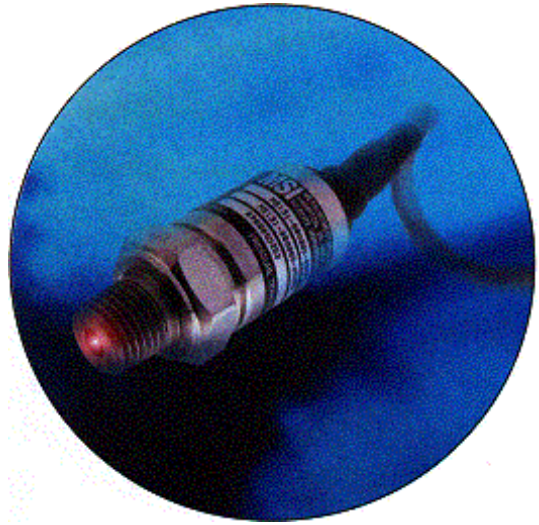




MSP5100 Type Micro-Fused Pressure Transmitter



Apply

- **Advanced HVAC control**
- **refrigeration system**
- **ACS**
- **air compressor**

Industrial process control. Pumps and compressors

- **Hydraulic/pneumatic systems**
 - **Agricultural machinery equipment**
- Energy and water treatment systems

Product Features

- **Heavy industry CE certification**
- **100V/m electromagnetic interference protection**
- **Reverse polarity protection**
- **Wide operating temperature range**
- **1% overall margin of error**

Compact structure

-40°C~125°C working temperature range

Performance Parameter

- **pressure limit**
50, 100, 200, 300, 500, 1000, 3000, 5000, 10, 000PSI
- **Linear accuracy**
 $\pm 0.25\%FS(BFSL)$
- **Medium compatibility**
Compatible with a variety of media and pressure cycles
with 174PH stainless steel (316L stainless steel optional)
>107 full pressure cycles
- **Overload pressure**
2 Doubling Rated Pressure
- **breakdown pressure**

5 Doubling Rated Pressure

· long term stability

± 0.25%FS/1 year (typical value)

Product Description

The MSP5100 Series high-performance stainless steel pressure sensor sets a new benchmark for cost-effectiveness in meeting increasingly stringent environmental requirements. Certified with the latest CE standard for heavy industry applications, this sensor features surge protection and overvoltage resistance up to 16VDC across the power supply's positive and negative terminals. Its pressure chamber is constructed from a single-piece monolithic structure of 17-4PH or 316 stainless steel. The product boasts a fully metal-sealed design without O-rings, welds, or organic components, withstanding over 10 million cycles of pressure testing.

M51 output signal M51x	Electrical connections X-	Option 00000	Pressure interface X	Pressure force range and unit XXXX		Pressure type X
3=0.5 ~ 45V 4=1 ~ 5V 5=4 ~ 20mA 6=0-5V 7= 0 ~ 10V X= Special output signal	1=2-foot cable 4= Integrated Pac- kard Metdpalt 150 5=BendIX 6= Min-Hirschman DIrt 43650 IndC X=Special electr- ical connection	Standard Type 1 "0000". Special type 1 uses 5 bits The number indi- cates that w=316L stainless steel	2=1/4BSP 4=7/16- 20UNFMale 0-ring 5=1/4-18Nyr P=7/ 16-20female wit- hIntegral valve depressor X= Special pressure interface	PSI 050P=50PSI 100=100psi 200P=200PSI 300P=300PSI 500P=500PSI 01KP=1000PSI 03KP=3000PSI 05KP=5000PSI LOKP=10000PSI	BAR 35B=35BAR 007B=7BAR 010B=10BAR 020B=20BAR 035B=35BAR 070B=70BAR 200B=200BAR 350B=350BAR 700B=700BAR	G= gauge pre- ssure S= seal- ing pressure