Pressure Sensor
Product Model: FST800-1500

Firstrate

The FST800-1500 pressure sensor is refined by a special process. The pressure sensitive detection material has the advantages of high elasticity, corrosion resistance, abrasion resistance, strong shock and vibration resistance, and good thermal stability. Water pumps, urban intelligent pipe networks, air compressors, refrigeration, water treatment industries, industrial process detection and control.

▶ Features

☑ High reliability, high stability

☑ Excellent anti-corrosion, anti-wear and anti-vibration

☑ Fast response and good compatibility with measuring medium

▶ Application range

◇ Water pump, urban intelligent pipe network

◇ Air compressor, refrigeration, water treatment industry

◇ Industrial process detection and control

▶ Technical Parameters

Measuring medium	water, gas, oil		Pressure range(bar)	10 16 25
Signal output	0.5~4.5VDC 4~20mA			
Signal line specifications	3 Wire 2 Wire			
Supply voltage	5VDC 9~30VDC			
Precision	±1%FS		Total error band	±3%FS
Operating temperature	-40~+135℃		Storage temperature	-40~+150℃
Overload pressure	200%FS		Breaking pressure	300%FS
Vibrate	11g(50~2000Hz)		Supply current	10mA(maximum)
Output response	3mS		Service life	5 million full-scale cycles
Pressure port	G1/4,NPT1/4,M20x1.5,M12x1.5,NPT1/8			
Short circuit protection	Have		Electrical connections	Packard connector
Load Resistance	10KΩ(typical)		Protection level	IP65
Overvoltage protection	16VDC(5V power supply)		Material	304 stainless steel
Reverse voltage	-14VDC(5V power supply)			

▶ **Product dimensions**

Φ23.0

51.5

8.0

13.5

NPT1/4

24.0

Vout 0.5~4.5VDC

Φ27.0

5V DC

GND

37.5

10

12

M12X1

G1/4

24

Φ27