



STB2330 Temperature and Pressure Integrated Transmitter

DESCRIPTION

The STB2330 series of integrated temperature-pressure transmitters feature built-in temperature and pressure sensing elements, with independent output channels that operate without interference. Measuring both pressure and temperature requires only the power consumption of a single sensor. Refined assembly processes and stringent quality standards ensure superior performance, making these transmitters widely used in scientific research, military applications, petrochemical industries, power generation, metallurgical machinery, and environmental protection sectors—including oil well temperature-pressure monitoring, common rail temperature-pressure measurement in diesel engines, and temperature-pressure monitoring in injection molding equipment.

VALUE TO CUSTOMERS

- Compact size, low power consumption
- Wide measurement range
- Wide operating temperature range
- High comprehensive precision and excellent long-term stability
- Simultaneous monitoring of temperature and pressure

POTENTIAL APPLICATIONS

- Applications in Mechanical Engineering
- Hydraulic and Pneumatic Systems
- petrochemical engineering
- petrochemical industry
- Metallurgy and Environmental Protection Fields



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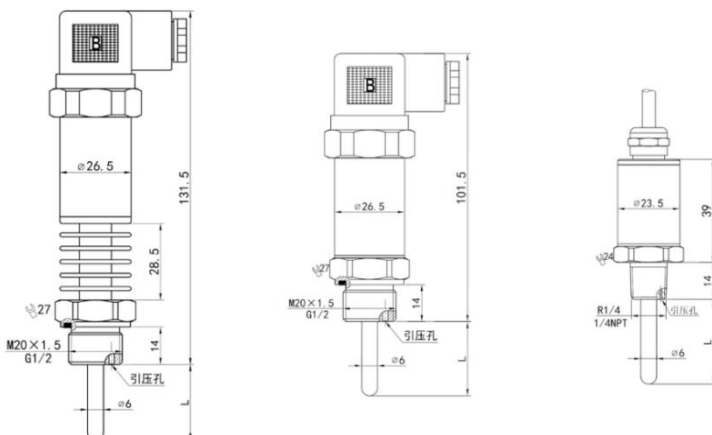
All potential use in

aerospace, medical, transportation, agriculture, refrigeration, and industrial applications. To view the entire product portfolio, click our company's website.

PERFORMANCE SPECIFICATIONS

Pressure range	-0.1-0-60MPa (Customizable)	Index number	PT100、DS18B20
Pressure Accuracy	±0.25%FS、±0.5%FS	Compensated Temp. Range	0°C to 85°C
Output	4-20mA、0/1-5/10V、0.5-4.5V、RS485	Operating Temp. Range	-20°C - 100°C
Excitation	5VDC、12VDC、24VDC	Temperature drift	±0.02%FS/°C
Medium temperature	-20-100°C、-20-200°C	Long term stability	±0.2%FS/year
Proof pressure	150%	Burst pressure	200%
Load Resistance	Current type: $R = (\text{Supply Voltage} - 8V) / 0.02 \Omega$		
Pressure port types	G1/2、G1/4、1/2NPT、M20*1.5 (Customizable)		
Electrical connector types	Hirschmann、M12、Cable harness(1 m, 2 m, 3 m, or 5 m) (Customizable)		
Housing	304 316L Stainless steel		

ELECTRICAL CONNECTOR TYPE DIMENSIONS



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