

DESCRIPTION

The STB2307 series high-pressure pressure transmitters are specifically engineered for hydraulic systems, capable of measuring pressures up to 1000MPa and compatible with all media compatible with stainless steel 17-4PH material. The sensor core base is fabricated from integral stainless steel without welding or sealing ring structures, eliminating leakage risks and ensuring compliance with customers' requirements for production safety and reliability.

VALUE TO CUSTOMERS

- High safety and reliability
- Impact-resistant and vibration-resistant
- Robust structure, easy installation, maintenance-free
- High comprehensive precision and excellent long-term stability

POTENTIAL APPLICATIONS

- Stamping and die-pressing equipment for food
- Die casting machine
- Water jet cutting
- Pressure Instrumentation
- High-pressure test bench



WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

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	0-70-1000MPa (Customizable)
Pressure Accuracy	± 0.5%FS、 ± 1.0%FS
Output	4-20mA、 0/1-5/10V、 0.5-4.5V、 RS485
Excitation	5VDC、 24VDC、 9-36VDC
Load Resistance	Current type: $R=(\text{Supply Voltage}-8V)/0.02 \Omega$
Compensated Temp. Range	-0°C to 70°C (32°F to 158°F)
Operating Temp. Range	-45°C -85°C (-49°F to 185°F)
Proof pressure	150%
Burst pressure	200%
Temperature drift	± 0.02%FS/°C
Long term stability	± 0.2%FS/year
Pressure port types	G1/4、 1/4NPT、 R1/4、 G1/8、 G1/2、 M20*1.5 (Customizable)
Electrical connector types	Hirschmann、 M12、 Cable harness(1 m, 2 m, 3 m, or 5 m) (Customizable)
Housing	17-4PH

ELECTRICAL CONNECTOR TYPE DIMENSIONS

