



# STB2407 Flush Diaphragm Pressure Transmitter

## DESCRIPTION

The STB2407 series is a hygienic dedicated pressure transmitter produced using strain gauge sensor core design. With a rational structural design and strict quality standards, it ensures high reliability and stability. This series features a stainless steel fully welded structure, cavity-free flush membrane, wide measurement range, and on-site display capability. It is widely used for pressure measurement and control of high-viscosity fluids or fluids containing fine particles.

## VALUE TO CUSTOMERS

- High safety and reliability
- Optional display
- No ncavated rigid flat membrane
- Wide measurement range

## POTENTIAL APPLICATIONS

- mud pump
- Food and Pharmaceuticals
- petrochemical engineering, petrochemical industry
- Spray painting and papermaking equipment



## 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.**

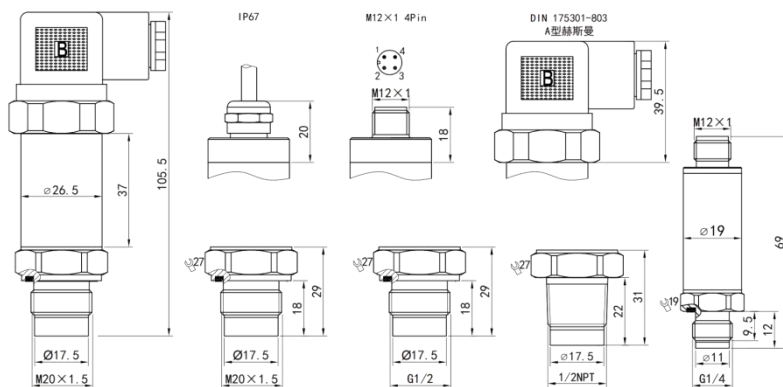
## All potential use in

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

## PERFORMANCE SPECIFICATIONS

Pressure range	0–1–100MPa ( Customizable )
Pressure Accuracy	± 0.5%FS、 ± 1%FS
Output	4–20mA、 0/1–5/10V、 0.5–4.5V、 RS485
Excitation	5VDC、 24VDC、 9–30VDC
Load Resistance	Current type: $R=(\text{Supply Voltage}-8V)/0.02\Omega$
Compensated Temp. Range	-0°C to 80°C ( 32°F to 176°F)
Operating Temp. Range	-20°C –100°C (-4°F to 212°F)
Proof pressure	150%
Burst pressure	200%
Temperature drift	± 0.02%FS/°C
Long term stability	± 0.2%FS/year
Pressure port types	M20*1.5、 G1/2、 M27*2、 DN1.5” 、 clamp、 DN50 flange ( Customizable )
Electrical connector types	Hirschmann、 M12、 Cable harness(1 m, 2 m, 3 m, or 5 m) (Customizable)
Housing	304、 17–4PH

## ELECTRICAL CONNECTOR TYPE DIMENSIONS



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