

LNG Vehicle Pressure Transmitter



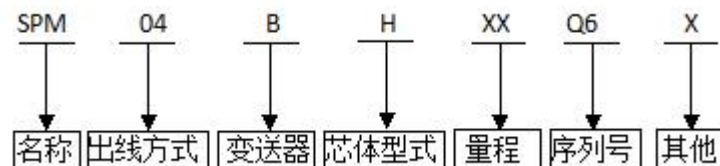
Application

Mainly used for pressure measurement and monitoring of vehicle LNG tanks.

Features

1. High measurement accuracy and stable output.
2. Adopt sealed protection so that oil proof, waterproof, and anti LNG liquid corrosion.
3. Beautiful appearance, safe and reliable mechanical interface.
4. Outlet adopts special cable connector for vehicle, which is safe and reliable.

How to order



Description:

Outlet mode: 03 for pressure line straight out; 04 for pressure line spring protection line; 08 for waterproof cap;

Core type: H for welding;

Serial number: outline structure code;

Application environment

- 1.Environment temperature: -40~80°C
- 2.Environment relative humidity: $\leq 95\%RH$ (25°C)
- 3.Atmospheric pressure: 80~106KPa
- 4.Can be used in coal dust, gas and other combustible and explosive gas environment
- 5.No strong vibration and shock

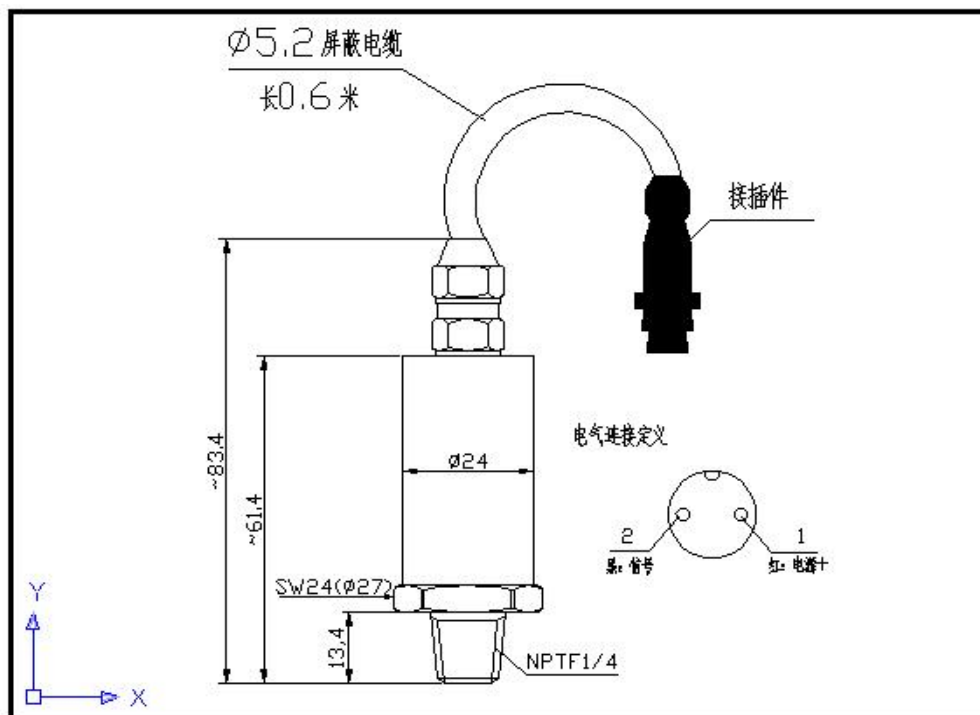
Structure and working principle

The core and base are welded to improve the anti-overload capability. The transmitting plate is bolted and filled with glue to improve vibration resistance capability. The output uses automotive special cables and connectors to ensure electrical signals transmission reliable and safe. The measured medium passes pressure through the guide hole to the sensitive part of the internal core of the transmitter, the core converts the pressure to a weak electric signal, the transmitter then amplifies the signal to a standard transmitter output signal.

Technical parameters

- 1.Operating voltage: 8~28VDC (Typical value 24VDC) ;
- 2.Range: 0~4MPa;
- 3.Isolation resistance: $100M\Omega/500VDC$;
- 4.Output signal: 4~20mA/DC
- 5.Comprehensive: 1.0, 1.5;
- 6.Safety overload: 120%FS;
- 7.Ultimate overload: 150%FS;
- 8.Enclosure rating: IP67;
- 9.Pressure mechanical interface: NPTF 1/4

Outline dimensions



Installation and debugging

1. Installation: The pressure interface is a self-sealing thread interface that can be sealed with one tightening; the electrical interface is special plug-in connector for vehicle.
2. Debugging: According to the definition of electrical wiring given in the outline drawing, ensure the connection is correct then power on.

Storage

Ambient temperature $-10 \sim +80$ ° C, relative humidity $\leq 80\%$ (25 ° C) can be stored for more than 12 months.