

PCM266 Smart Submersible Level Transmitter



- Smart level transmitter
- Probe insertion measurement mode, small size, simple and convenient installation
- HART protocol option
- RS485-MODBUS protocol option
- Multi protection structure design, high protection ability
- Corrosion resistant stainless steel adopted, applicable to various industry fields
- Support configuration applications

PCM266 level transmitter is a fully sealed submerged type liquid level measuring instrument in full stainless steel design. The product adopts high stability and reliability piezoresistive OEM pressure sensor and

high precision smart transmitter processing circuit, and applies precision digital temperature compensation technique and non-linearity correction technique. The waterproof cable is hermetically connected to the shell, and the breather pipe is set inside the cable, which can be used in liquid for a long time. The integrated structure and standardized output signal provide convenience for field use and automatic control. The product works in two wire system. It is compact, light-weighted, easy to install and use. It can directly replace the analog output transmitter of 4 ~ 20mA of two wire system. It is applicable to equipment matching and the measurement and control of static pressure level and liquid level in liquid tanks, sewages, industrial water, ponds, wells, rivers, sea, lakes, etc.

Pressure range

Pressure range 0.5m, 1m, 2m, 5m, 10m, 20m H₂O

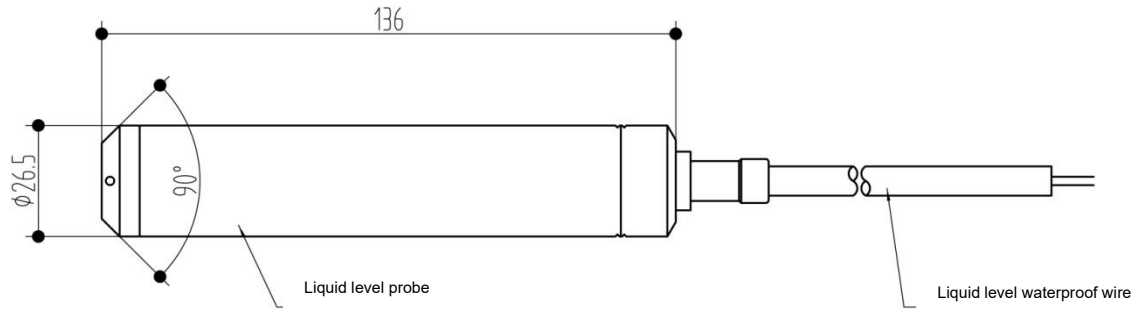
Output signal

Output 4 to 20mA + Hart protocol | 4 to 20mA + RS485-MODBUS protocol

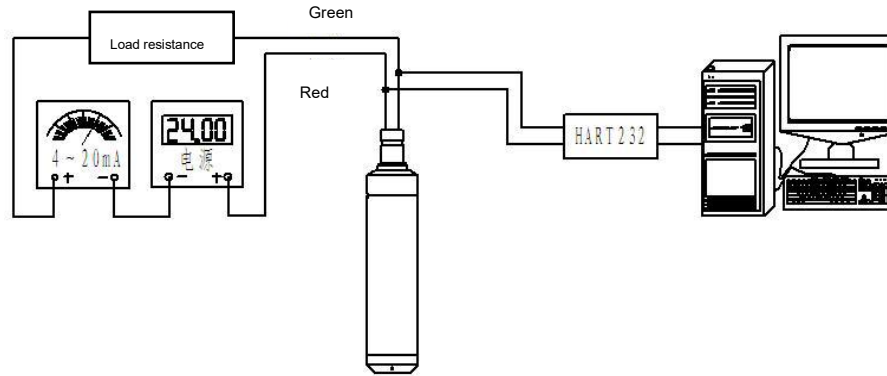
Specification

Accuracy (linearity, repeatability and hysteresis)	±0.5%F.S. (Typical)
Overpressure	150%F.S.
Supply	24VDC
Compensated temp.	0°C - 60°C (0m - 10m H ₂ O) -10°C - 70°C (10m - 20m H ₂ O)
Operating temp.	-20°C - 85°C
Medium temp.	0°C - 100°C
Storage temp.	-40°C - 125°C
Zero temp. coefficient	±1%F.S. (0°C - 85°C)
Span temp. coefficient	±1%F.S. (0°C - 85°C)
Long term stability	≤0.2%F.S.S./year
Housing material	Stainless steel 316L
Sensor material	Stainless steel 316L
Protection	IP68
Housing diameter	φ26.5mm
Weight	250g(approx)

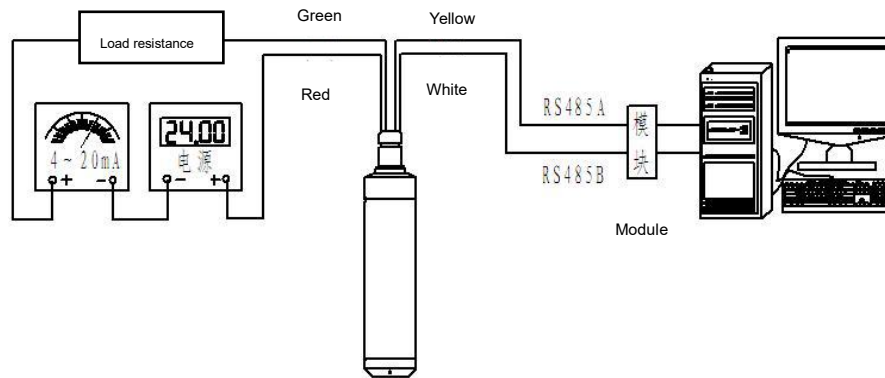
Dimension
in mm



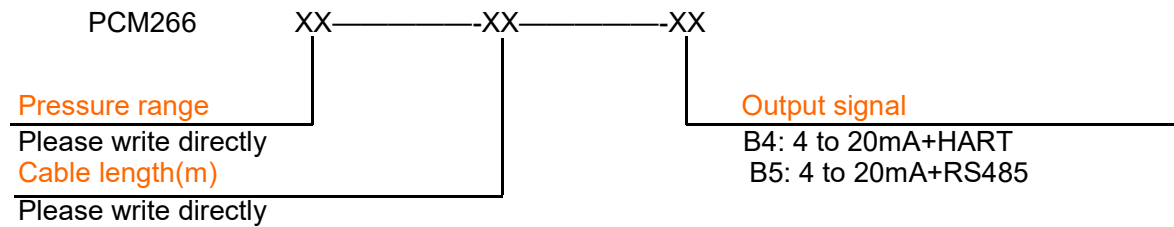
Connection
mode



Pressure transmitter configuration system with HART protocol



Pressure transmitter with RS485 interface for RS485 communication



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