



Talent Hyrdo Transmitter TH200

Features

- Double standard output signal--level and temperature
- Reversed-polarity protection
- Level and temperature measurement
- Protection IP68
- Automatic production line for quality guarantee, stable and reliable



Introduction

TH200 is full sealed submersible transmitter for level and temperature measurement with good quality. A high stable and reliable piezo-resistive pressure sensor and a Pt1000 temperature sensor are mounted with the high-performance signal processing circuit in the stainless steel housing. Advanced production technology and automatic production line ensure the stability of products, and good adaptation makes you device able to copy with various complex environments. It is suitable for level and temperature measurement and control in petroleum, chemical, power plant, city water supply and hydrology fields.

Specifications

Range: 1, 2, 5, 10, 20, 50, 100, 200m H2O; -20°C...0°C~10°C...70°C;
Over pressure: 1.5 times FS
Accuracy: ±0.1%FS (level)
±2°C(temperature)
Power Supply: 9V~30V DC
Output Signal: 4mA~20mA DC(level) + 4mA~20mA DC (temperature)
Stability: ±0.2%FS/year
Zero thermal drift: ±0.02%FS/°C
FS thermal drift: ±0.05%FS/°C Operation Temp.: -10°C~70°C Storage Temp.: -20°C~85°C
Electric Connection: 4-wire (level & temperature double output) Load(Ω): <(U-12V)/0.02A

Construction Material

Housing: Stainless Steel

Sealed Ring: Viton

Cable: φ7.2mm polyethylene or polyurethane cable

Diaphragm: Stainless Steel 316L

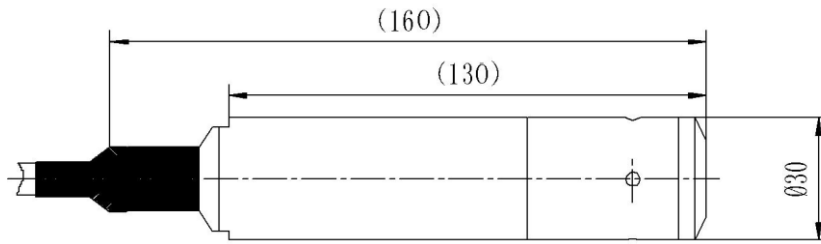
Electric Connection

Transmitter is connected through cables.

Wire Color	Electric Definition
Black	Level Power Supply
Red	Level Output
Yellow	Temp. Power Supply
White	Temp. Output



Outline Construction (Unit: mm)



Order Guide

TH-	Description			
	Range	1, 2, 5, 10, 20, 50, 100, 200m H2O		
		-20°C...0°C~10°C...70°C		
	[0m:XmH2O][0°C:T°C]] L	X: level measurement T: temperature measurement L: cable length (Unit: meter, for users option)		
	Code	Output Signal		
	E	4mA : 20mA		
	Code	Construction Material		
		Diaphragm	Pressure Port	Housing
	22	SS 316L	SS	SS
	25	Tantalum	SS	SS

Notes

1. Please make sure the measured media is compatible with contacting material; please pay attention to media density in the measurement (except water);
2. Polyethylene and polyurethane cables are optional and charged for materials and length;
3. If the product is installed in "lightning and thunder" area, please note "lightning-proof" in the order. We suggest to choose Lightning-proof Protection Device to protect transmitter. Please be sure good grounding as well;
4. Under standard conditions (4°C, g=9.80665 m/s²), the corresponding relationship between 1mH2O and pressure is showed as follows:
5. 1mH2O = 0.1kgf/cm² = 9.80665kPa;
6. If the user has special requirement, please contact us freely.