

BHZ93420 intelligent submersible transmitter

Description

BHZ93420 intelligent submersible transmitter, consist of isolation diaphragm oil-filled sensor and high-powered MCU. it can correct the linearity and compensate temperature drift, have digital output with HART protocol and analog output. With characteristic of high precision, good stability. Can achieve two-way communication during diagnosing process at the scene. Apply in city's power supply, water conservancy, metallurgy, petrification and so on.

Feature

- ◇ Wide measurement range,
- ◇ Protection: IP68
- ◇ Various output signal
- ◇ Multiple protection
- ◇ Good anti-leakage performance
- ◇ Good anti-electromagnetic interference.
- ◇ Marking: ExiaIICT6



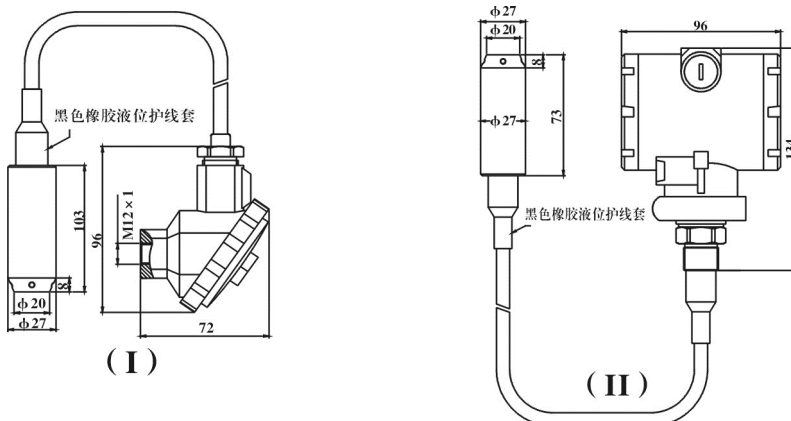
Application

- ◇ Compatible with 316LSS, noncorrosive liquids.
- ◇ Apply in Petroleum industry, chemical industry, generating station, water supply, hydrology etc. those need to measure & control liquid's level.

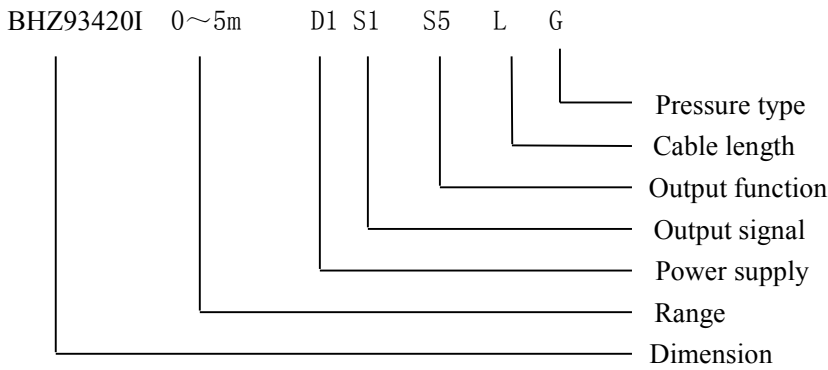
Specification

Range	0~1m... ~200m
Proof pressure	≤1.5X rated range
Accuracy	±0.1% ±0.25% (Typical)
Long term stability	±0.1%F.S./year (>20mH ₂ O) ±10mm (≤20mH ₂ O)
Operating temperature range	-20℃~80℃
Storage temperature range	-40℃~120℃
Power supply	15~30VDC
Output signal	Analog output: 4~20mA 0~10/20mA 0/1~5VDC
	Digital output: Utilize HART protocol, realize digital signal transfer and bidirectional communication
Housing material	Aluminium casting, 1Cr18Ni9Ti stainless steel
Diaphragm material	316L
O ring	Fluororubber
Cable	Polyethylene ventilate cable
Insulation resistance	100MΩ 100VDC
Protection	IP65
Marking	ExiaIICT6

Dimension



Ordering example



Ordering information

BHZ93420	intelligent submersible transmitter					
	Code	Dimension				
	I	General blue terminal box (direct outlet)				
	III	Blue 2088 housing, LED indicator				
		Range	0~1. . . 200m			
		(0-X)m	X: Actual range			
			Code	Power supply		
			D1	24VDC		
				Code	Output signal	
				S1	4~20mADC	
				S2	1~5VDC	
				S3	0~5VDC	
				S4	0~10mAC	
				S5	0~20mAC	
				S6	0~10VDC	
				Code	Output function	
			S5	HART Protocol		
			S6	RS485 Protocol		
			Code	Cable length		
			L	Actual length		
			Code	Pressure type		
			G	Gauge		
			A	Absolute		
			S	Sealed gauge		

Ordering note:

1. Media must compatible with wetted parts.
2. There is two kinds of cable can be choose, one is common with gas tube, another is diesel oil & gasoline proof.
3. If the transmitter need LCD or LED display that the power supply should no lower than 20VDC.
4. To ensure the products can working reliable, we suggest that customer install lightning protection device and make sure products & power are earthed.

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5. If the range is lower than 0.5m, the accuracy would be $\pm 1\%$
 6. Special requirement, such as strong shock, moment vibration, strong electromagnetism, radio frequency interference, please consult us.

Warranty:

Pressure transmitters have a limited one-year warranty to the original purchaser. Hengtong will replace or repair defective products free of charge. This warranty does not apply to any units that have been modified, misused, or neglected.