

Level transmitter

Model : BT-PT-400
BROIL

Description

BT-PT400L series of level transmitter feature reliable and highly accurate liquid level measurement for water, diesel and gasoline and mild corrosive liquid.

This series adopt stainless steel housing, high performance sensor, and ASIC to ensure a wide range of applications.

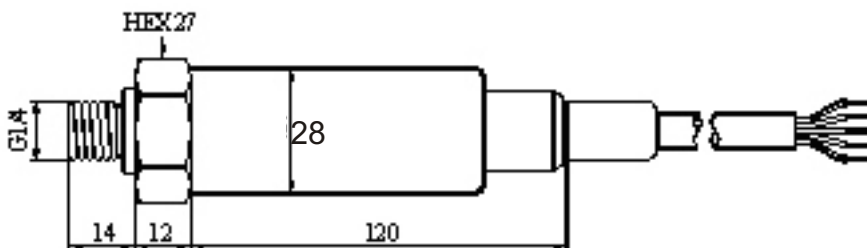
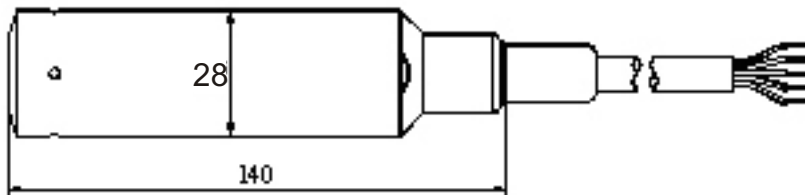
Vented inside cable are provided as air reference. The products have been approved with intrinsic safety certificate, explosion proof certificate and CE certificate.

Features:

- ☆ **Accuracy: ± 0.10 、 ± 0.25 、 $\pm 0.5\%$ F.S**
- ☆ OEM provided
- ☆ Multiple measurement range and Signal output
- ☆ Submersible & fixed installation
- ☆ Non-polarity two-wire current output
- ☆ Intrinsic safety certificate
- Explosion proof certificate
- CE certificate
- ☆ Electromagnetic interference proof

Applications:

- Hydraulic monitoring
- Constant water supply
- Dam water level
- Sewage water treatment
- Underground water level
- Ocean water level
- Liquid level in tank



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Technical data

Items	Specifications	Remark
Measurement range	0~3~200mH ₂ O	1mH ₂ O=9.81kPa
Overload pressure	1.5 times of full range	
Failure pressure	3 times of full range	
Accuracy	±0.1% F.S, ±0.25%F.S, ±0.5%F.S	
Stability	Typical value: 0.1%F.S, Maximum value : 0.2%F.S	
Operation temperature	-40~85	
Compensating temperature	-10~70	
Medium Compatibility	All corrosive medium compatible with 1Cr18Ni9Ti and 316L	
Electrical feature	Two-wire type Three-wire type	
Signal output	4~20mA 0~5V 0~10V	
Power supply	10~36Vdc 10~36Vdc/ac 12~36Vdc/ac	
Load resistance	(U-10)/0.02(ohms)	>100kohms
Insulation	>100M Ohms@50V	
Electrics feature	protection rank: IP68	
IP rate	G1/4,submersible	
Response time	10ms	
Pressure junction	Gauge pressure and absolute pressure:	
Certification	Explosion pro of certificate, CE certificate	
Medium compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic sensitivity: EN50082-2;	
Lightning proof	Air-conduction pressure 8000V, Conduction pressure of shell and cable: 4000V	

Order form

BT-PT-400 ———

	□	□	□	□	□	□	□
Range	_____						
mH ₂ O	_____						
Output	_____						
A=4~20mA, V=0~5V, V2=0~10V							
Accuracy	_____						
0.1=0.1%F.S, 0.25=0.25%F.S, 0.5=0.5%F.S.							
Connection	_____						
T= Submersible, F= M27×1.5 Fixed							
Cable length (m)	_____						
Pressure Type (G=Gauge, A= Absolute)	_____						