

Main specifications

▼Type

A: General
 B: Outdoor
 C: Wellhead
 D: Flameproof
 E: Explosion-proof

▼Installation type

Submersible cable outlet
 Thread connection (option)

▼Electrical Connection

Cable outlet (IP68)

▼Level measurement range

0~1...500mH2O

▼Applicable media

Corrosive Media that compatible with SS316L

▼Operating temperature

-20 to 100°C /
 -20 to 120°C (option)

▼Cable length

1.5...100mm

▼Vibration test

10g/5~2000Hz, axes X/Y/Z 20g sine 11ms

▼Protection level

IP68

Other Specifications

▼Output Signal

Two-wire:
 4~20mA
 Three-wire:
 0~5V / 1~5V / 0~10V

▼Power supply

Two wire:
 10~30VDC (non-polarity)
 Three wire (0/1~5V):
 8~24VDC or AC
 Three wire (0~10V):
 11~30VDC or AC

▼Load capacity

Two wire:
 (U-10)/0.02Ω
 Three wire:
 > 100kΩ

▼Insulation

> 100MΩ@50V

▼Electrical strength

500V@60 secs

▼Measuring elements

Diffusion silicone sensor chip

▼Accuracy

±0.25% / ±0.5%F.S.

▼Response time

10ms

▼Compensated temperature

-10 to 70°C /
 Full temperature scale compensation (option)

▼Stability

0.15%F.S., max: 0.25%F.S.

▼Operating pressure

Overpressure: 1.5*F.S.
 Burst pressure: 3*F.S.

▼Anti-lightning

Air-conduction pressure-proof:
 8000V

Case + cable-conduction pressure-proof: 4000V

▼Electromagnetic radiation

EN50081-1/-2

▼Electromagnetic susceptibility

EN50082-2

Geothermal Water Level Pressure Transmitter Model: LPTX-HT420S

Introduction

LPTX-HT420S is a heat-resistance level transmitter which is suitable for high temperature fluid level measurement. It has been widely in geothermal water, boiler level measurement and water electricity, power generator level monitor.

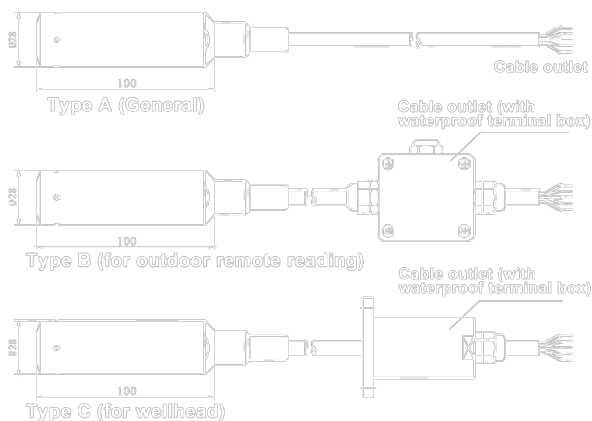


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- OEM service
- Suitable for high temperature fluid level measurement
- Highest fluid temperature 120°C
- High stability, reliability and accuracy
- All stainless steel design with imported diffusion silicone sensor
- Abrasive resistance, oil resistance, anti-strong acid or anti-alkaline cable
- Explosion-proof or flameproof type available (option)
- Various pressure range measurement and output signals
- High anti electromagnetic inference, anti-lightning design

Electrical Connection



Wire	2-wire	3-wire
Red	Current	Current
Blue/Green	X	Output
Black	Output	Ground
Yellow	Shielded	Shielded

How to order

LPTX-HT420S		Geothermal Water Level Pressure Transmitter					
Code	Type						
A	General						
B	Outdoor						
C	Wellhead						
D	Flameproof						
E	Explosion-proof						
Code	Measurement range						
Custom	0~1...500mmH ₂ O						
Code	Output signal						
1	4-20mA						
2	0~5VDC						
3	1~5VDC						
4	0~10VDC						
Code	Accuracy						
A	±0.25F.S.						
B	±0.5F.S.						
Code	Installation type						
C	Submersible cable outlet						
T	Thread connection						
Code	Cable length						
20	1.5~100mm						
O	Custom length (please specify)						
Code	Other requests						
/A	Third party notarized document						
/B	Inspection report (issued by Re-Atlantis)						
/C	Tag						
/D	Temperature range -20 to 120°C						
/E	Full temperature scale compensation						
/F	Higher anti-lightning level						
LPTX-HT420S	A	0...1~100 mmH ₂ O	1	A	C	20	Order example: LPTX-HT420S-A-0...1~100mmH ₂ O-1-A-C-20