



Features

- Integrated construction,
- IP68 Protection for sensor housing, IP65 for connection box
- Cost-efficient, high reliability and stability

Introduction

The HLT is full sealed submersible level transmitter. It is made by building in high quality and reliable OEM piezo-resistive pressure sensor and high accurate circuit board into low pressure injection molding housing. Integrated construction and standard signal provide the user easy and convenient application in the local working site. The special cable, connected with housing, can be immersed into the media for a long period.

The HLT level transmitter has compact in size, light weight and good stability; it can be used for water or liquid measurement and Storm/rainwater, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

Specification

| | | | |
|-------------------|---------------------------------------------------------------------------------------------|-------------|-------------|
| Range(FS) | 2m, 5m, 10m, 20m, 50 mH ₂ O | | |
| Overpressure | 1.5 times FS | | |
| Accuracy | ±0.5%FS | | |
| Stability | range>10mH ₂ O, ±0.2%FS/year range≤10mH ₂ O, ±20mmH ₂ O | | |
| Thermal drift | | zero | span |
| | range>10mH ₂ O | ±0.02%FS/°C | ±0.05%FS/°C |
| | range≤10mH ₂ O | ±0.05%FS/°C | ±0.05%FS/°C |
| Application temp. | -10°C ~80°C | | |
| Storage temp. | -20°C ~100°C | | |
| Power supply | 11V~28VDC | | |
| Output signal | 4mA~20mADC (2-wire), 0.5V~4.5VDC (3-wire) | | |
| Load | ≤(U-11) / 0.02Ω (2-wire), ≥10k (3-wire) | | |

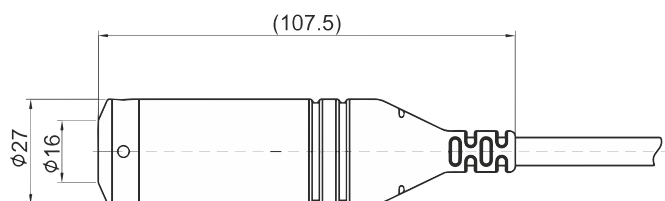
Construction Material

- Cap: stainless steel 304
- Sensor housing: stainless steel 316L
- Diaphragm: stainless steel 316L
- O-ring: Viton
- Housing: PA
- Cable: φ7.5mm polyurethane cable



LiquiLevel HYDROSTATIC LEVEL TRANSMITTER

Outline Construction (Unit: mm)



Electrical Connection

| Wire color | 2-wire | 3-wire |
|------------|---------|--------|
| Red | +V | +V |
| White | Null | +OUT |
| Black | 0V/+OUT | GND |

Order Guide

| LiquiLevel | | Level Transmitter | | | | |
|------------|------------|--------------------------|------|----------------------------------------------------------------------|--------------------------------------------|--|
| | | Range | | Pressure range: 2...50mH ₂ O | | |
| | | [0~XmH ₂ O] L | | X: actual measurement range L: cable length suggested L-X=(1~2)m | | |
| | | | Code | | Output signal | |
| | | | E | | 4mA~20mA DC | |
| | | | K | | 0.5V~4.5V DC | |
| | | | Code | | Others | |
| | | | Yc | | MS200 water-proof connection box (default) | |
| | | | Yd | | PD140 lightning-proof protection device | |
| | | | | | | |
| | LiquiLevel | [0~2mH ₂ O]5 | K | Yc | the whole spec | |

Notes

1. Please pay attention that the media should be compatible with the contacted parts; please inform the density of the media (except water);
2. When the product is used in thunder storm area, we suggest the user to use protection device to protect the product and power grounding reliably.