Liquid
Level Transmitter

Features
- **Integrated construction, unnecessary to do outer adjustment**
- **Sensor housing protection IP68, connection box protection IP65;**
- Cost-efficient, high reliability and stability;
- **RoHS and ATEX approved**
- Explosion-proof product conforms to **ExiaIICT6 Ga of Standard**

Construction Material
- Housing: stainless steel 1Cr18Ni9Ti
- **O-ring: Viton**
- Rubber casing: NBR
- Cable: φ7.5mm polyethylene cable
- Diaphragm: stainless steel 316L

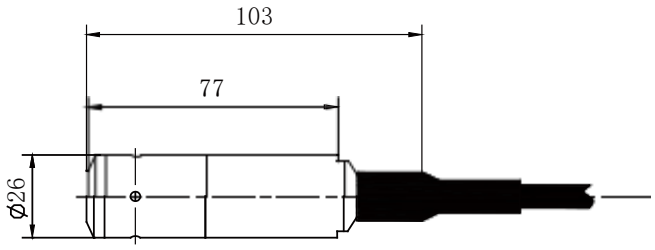
Introduction
Fully sealed submersible level transmitter. It is made by building in high stable and reliable OEM pressure sensor and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immerged into the media for a long time.
Level transmitter has compact size, light weight and good stability; it can be used for water or liquid measure and control of medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

Specification
- Range(FS): 1, 2**, 5,** 10**,** 20**,** 50**,** 100**,** 200mH2O
- Overpressure: 1.5 times FS
- Accuracy: ±0.5%FS
- Stability: range>10mH2O, ±0.2%FS/year
- range≤10mH2O, 20mmH2O/year
- Thermal drift:

	zero	span
range>10mH2O	±0.02%FS/℃	±0.05%FS/℃
range≤10mH2O	±0.05%FS/℃	±0.05%FS/℃

- Application temp. range: -10℃ ~70℃ ; -10℃ ~60℃ **(Exia)**
- Storage temp. range: -20℃ **~85**℃
- Power supply: 11V~28VDC; 11V~28VDC; 5V DC
- Output signal: 4mA~20mADC(2-wire); 0~5/10VDC(3-wire) 0.5V~4.5V DC(3-wire)
- Load: ≤(U-11)/0.02Ω(2-wire); ≥10k(3-wire); ≥10k(3-wire)

Outline Construction (Unit: mm)



Electrical Connection

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

Order Guide

	Level Transmitter
Range	Pressure range: 0m~1…200mH_2O
[0~XmH$_2$O] L	X: actual measurement range L: cable length suggested L-X=(1~2)m

Code	Power
V_1	24V DC
V_6	**5V DC**

Code	Output signal
E	4 mA~20mA DC
F	1V~5V DC
J	0V~5V DC
V	0V~10V DC
K	0.5V~4.5V DC

Code	Construction material		
	Diaphragm	**Port**	**Housing**
22	SS 316L	**SS**	**SS**
24	SS 316L	SS 316L	SS 316L
25	Tantalum	**SS**	**SS**

Code	**Others**
M_1	0~100% indicator(Only 4mA~20mA DC)
Y_b	Aluminum connection box without display
Y_c	MS200 water-proof connection box (default)
Y_d	PD140 lightening-proof protection device
Y_e	Connection box(with display or without display)
i	**Intrinsic safe version Exia Ⅱ CT6 Ga**
y	**ATEX**
C_1	M20×1.5 male
C_3	G1/2 male
F_1	Fixed flange

[0~2mH$_2$O]**5**	**V** $_5$	E	22	Y $_c$	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.Two kinds of cable are optional, polyurethane and polyethylene. The default is polyethylene. Polyurethane cable is more flexible and endurable; it can be selected due to the requirement;

3.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;

4.For special requirement, please feel free to contact **us;**

5.When ordering, please pay attention to 5V DC power supply. If the cable is connected out of line, the cable length should be less than 10m; When the order output is 0V to 10V DC product, the power supply is 15V to 28V DC;

6. 24V DC power supply (V1),see “Specification”for detail about Power supply range.