

מד מפלס הידרוסטטי טבול SCH HD

- 4~20mADC 2-wire current output;
- Digital temperature compensation and linearity correction;
- Full stainless steel construction compact size, light weight;
- Special requirement available;



Introduction

Level transmitter is the full stainless steel construction and full-sealed submersible intelligent level transmitter with high accuracy. It uses highly reliable and stable pressure sensor, intelligent processing circuit, precise digital temperature compensation and linearity correction technics for production. The water-proof cable connects with housing sealed, with vented tube putting in, the transmitter could be used in the water or liquid in a long time. Integrated construction and standard output signal could provide easy operation and good automatic control. With 2-wire working, compact size, light weight and easy installation and operation, it is widely used for industry field instead of normal 2-wire 4~20mADC analog output transmitter.

Specifications

Basic range (mH ₂ O)	3.5	7	10	20	35	70	100	200
Overpressure (mH ₂ O)	5	10	15	30	50	100	150	300

Note: The min.shrunked available range is 1/5 of basic range;

For the other pressure range between min.range and max.range, but not indicated on the above table, we enlarge the above basic pressure range to produce (overpressure unavailable);

Total accuracy ①③	±0.075%FS (min.)	±0.1%FS (typ.)	±0.25%FS (max.)
Stability	±0.2%FS/year		

Compensation temp. ②	-10℃~70℃
Operation temp.	-10℃~80℃
Storage temp.	-40℃~100℃
Power supply	10V~28VDC (RS485) , 12V~30VDC (HART®) 10V~12VDC (The Ann model, the security gate power supply)
Output	4mA~20mADC ·RS485 communication interface(Custom protocol) or HART®communication protocol
Load	4mA~20mADC output, (U-12V) /0.02A (Ω) RS485 bus line could connect with 99 transmitter
Insulation	100MΩ/50V
Shock	20g, 20Hz~5000Hz
Impact	20g, 11ms
Protection	IP68(Transmitter part);IP65(Junction box part)
Media compatibility	Diaphragm: stainless steel 316L Housing: stainless steel 1Cr18Ni9Ti O-ring: Viton
Weight	~250g

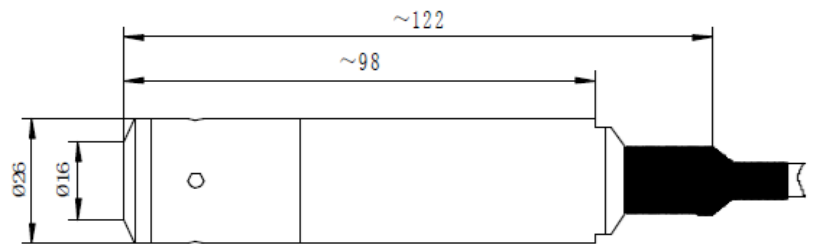
①Total accuracy: including non-linearity, hysteresis, repeatability and thermal error;

②For special temperature requirement, please contact with our company;

③For pressure range 3.5mH₂O ad 7mH₂O, after shrinking, the total accuracy is60.5%FS.

Outline Construction

(Unit: mm)



Electric connection for transmitter with 2-wire 4~20mADC output:

