

ASP2002CL

Smart Input Type Liquid Level Transmitter

I Product Introduction

The input type level transmitter is based on principle of measuring hydrostatic level proportional to the height of liquid level, transfer the static pressure into electrical signal by use of proliferation of silicon or ceramic capacitors sensitive components, after temperature compensation and linearity correction, convert it into 4-20 mA DC standard current signal output. The sensor part of the input type level transmitter can be put directly into medium, the transmitter part can fix by flange and bracket, the installation is very convenient.



II Performance Parameters

Zero migration volume

Maximum zero positive migration volume:

difference between migration volume upper range and measuring range

Maximum zero negative migration volume:

lower than air pressure

Measuring range

Lower range limit:

-100%URL ($\geq -0.1\%MPa$) ~ +100%URL-Span

Upper range limit:

-100%URL+Span ($\geq -0.1\%MPa$ + Span) ~ +100%URL

Measuring range and zero adjustment

HART manipulator, local button, HART protocol supported by communication software

Measuring object: liquid Accuracy: 0.25% F.S

Ambient temperature: $-20^{\circ}C \sim 80^{\circ}C$

Relative temperature: $\leq 85\%$

Measuring range: 0.3~110m

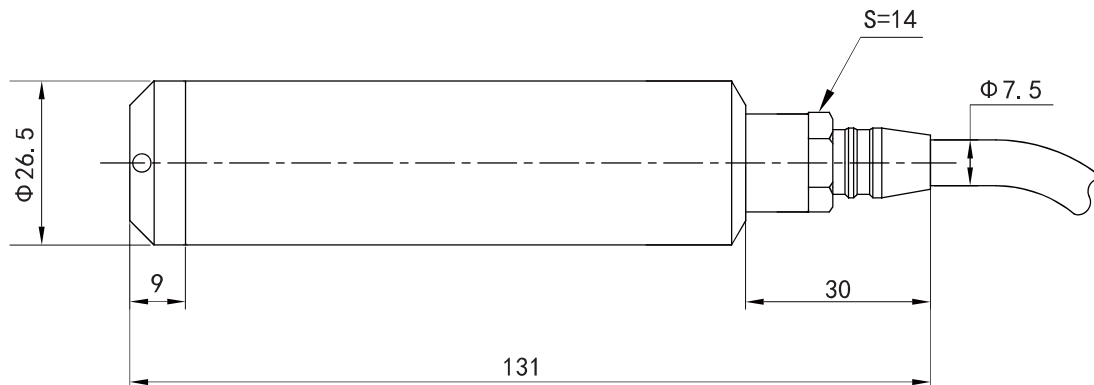
Output : two-wire 4~20mA DC/HART

Power supply: 24DC(12~36VDC) Overload: 0-600 Ω

Non-delicacy area: $\leq \pm 1.0\%F.S$ Protective grade: IP68

Communication: HART, MODBUS

III Structural Drawing



ASP2002CL Smart Input type Liquid Level Transmitter outline dimensional drawing (Unit:mm)

IV Selection List

Code 1	Measuring range
01	0~1m
02	0~2m
03	0~3m
04	0~4m
05	0~5m
06	0~6m
07	0~7m
08	0~8m
09	0~9m
10	0~10m
15	0~15m
20	0~20m
30	0~30m
40	0~40m
50	0~50m
100	0~100m
200	0~200m
xx	Customize
Code 2	Categories
D	Common cable
F	Anti-corrosion cable
Code 3	Cable lengths (m)
1	Standard length (Measuring range +2m)
2	User Provisioning
Code 4	Nameplate
C	In Chinese
E	In English
Code	Optional
M	LCD digital indicator
d	Flameproof Ex d II C T4~T6
i	Intrinsic safe Ex ia II C T4~T6
P	Stainless steel tag lable

Example:

Input Type Liquid Level Transmitter

ASP2002CL-05D1C i

[05] : Measuring range: 0~5m

[D] : Categories: Common cable

[1] : Cable lengths (m): Standard length
(Measuring range +2m)

[C] : Nameplate: In Chinese

[i] : Intrinsic safe Ex ia II C T4~T6