

Features

- ◆ Solid structure, no moving parts, high reliability and long service life
- ◆ Both water and oil can be measured with high precision, which is affected by the density of the measured medium
- ◆ Can bring on-site instructions.
- ◆ Small size, beautiful appearance and high cost performance.
- ◆ 0-10V, 4-20mA, various voltage output
- ◆ Provide OEM, flexible customization

Description

The level transmitter adopts the international advanced level of diffusion silicon pressure sensor, with high-precision electronic measuring components, assembled through strict process. It is overload-resistant, impact-resistant, corrosion-resistant, highly stable, and has high measurement accuracy. It can adapt to various occasions and media in industrial measurement. It adopts PTFE pressure-guided type and is a traditional liquid level instrument and traditional liquid. The ideal upgrade product of the bit transmitters.

Applications

- ◆ Industry field process liquid level detection and control
- ◆ Navigation and Shipbuilding
- ◆ Aviation and aircraft manufacturing
- ◆ Energy Management System
- ◆ Liquid level measurement and water supply system
- ◆ Urban water supply and sewage treatment
- ◆ Hydrological monitoring and control
- ◆ Dajiang Dam and Water Conservancy Construction
- ◆ Food and beverage equipment
- ◆ Chemical medical equipment



Parameters

Measuring range	0~200m
Accuracy	±0.5%FS
Output signal	4-20mA (two wires)
Supply voltage	24VDC
Operating temperature	-30~50℃
Compensation temperature	-30~50℃
Long-term stability	≤±0.2%FS/year
Overload pressure	200%FS
Load Resistance	≤500Ω
Measuring medium	liquid
Relative humidity	0~95%

Liquid Level Pressure Transmitters XDB500 Series

Cable material	Polyurethane steel wire cable
Cable length	0-200m
Diaphragm material	316L
Protection class	IP68
shell material	304 stainless steel

Dimension (unit:mm)



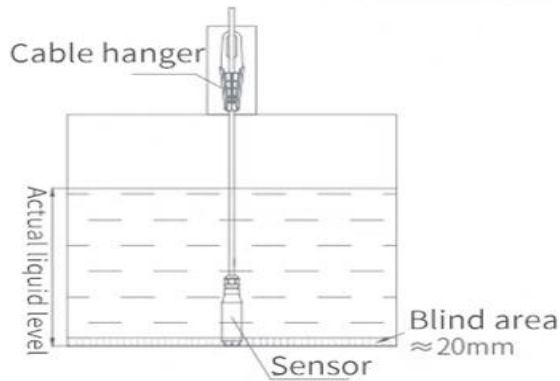
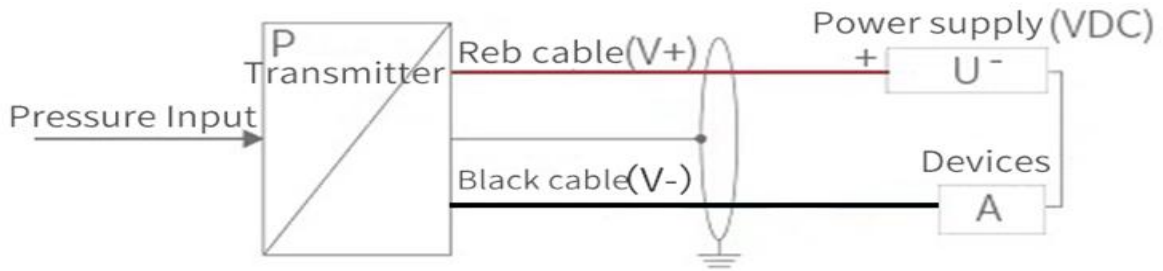
Electrical connection

	Pin	Function	Color
Integrated input	1	Supply +	Red
	2	Output +	Blue

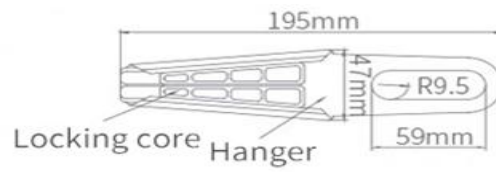
Installation

- ◆ Choose a place that is easy to operate and maintain for installation.
- ◆ It should be installed as far as possible from the vibration source.
- ◆ Install as far away from the heat source as possible.
- ◆ When installing, you should check whether the field interface is consistent with the product interface according to the product connection method and thread type. When connecting, you should tighten it slowly. The torque cannot be directly added to the transmitter housing, but only on the pressure interface. Six parties.
- ◆ The measuring medium should be compatible with the structural material of the transmitter.
- ◆ The measuring medium cannot block the pressure inlet of the transmitter.
- ◆ Install the input liquid level timer, put it in or put it out slowly. It is strictly forbidden to strongly pull the cable or a hard object to directly squeeze the transmitter diaphragm, so as not to damage the transmitter.
- ◆ The installation direction of the input type liquid level gauge is vertical downwards. When using it in moving water, the flow direction of the pressure-sensitive surface of the transmitter should be parallel. The measuring medium must not block the pressure hole of the transmitter.

Level Transmitter XDB500 Series

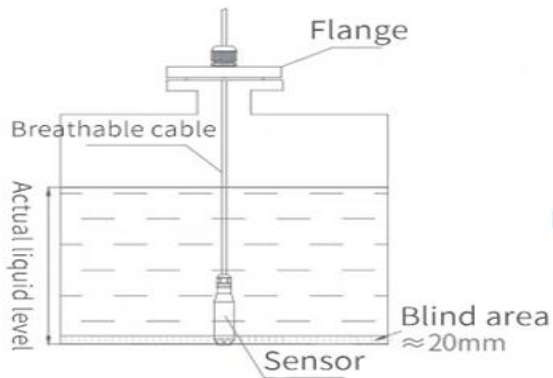


Cable Hanger Installation

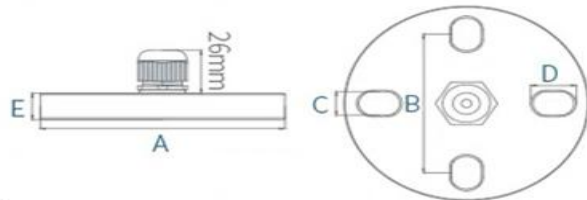


Locking core material: Engineering plastic
 Hanger material: 304 stainless steel
 Weight: 110g

Cable Hanger Size



Flange Fixed Installation



Flange Fixed Size