NIEUWKOOP

LEAFLET

NT5000/NT5010

LEVEL SENSOR (0-5M, 0-10M)

OUTPUT 4-20MA

TO MEASURE = TO KNOW

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Product overview

The input level/water level transmitter uses a diffusion silicon chip to encapsulate the diffusion silicone oil-filled core in a stainless steel housing. The front end protective cap functions as a protective sensor diaphragm, and also allows the liquid to smoothly contact the diaphragm. Wire and housing are sealed and connected. The vent pipe is connected to the outside in the cable. The internal structure is designed to prevent condensation. Built-in micro signal processing circuit can be used for remote transmission. It has a good stability and reliability.

Application range

Widely used in water plants, sewage treatment plants, urban water supply, high-rise pools, wells, mines, industrial pools, water tanks, oil pools, hydrogeology, reservoirs, rivers, oceans and other places
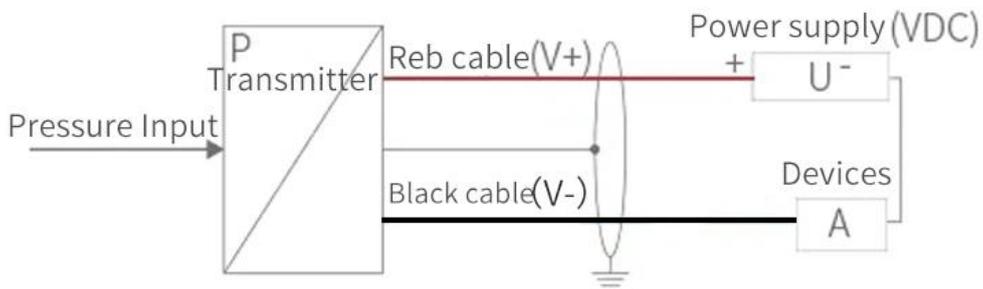
Technical parameters

◆ Fully enclosed circuit, with moisture, condensation, anti-leakage function
◆ Range: 0~5 meter with 5 m cable or 0~10 meter with 10 m cable
◆ One-piece
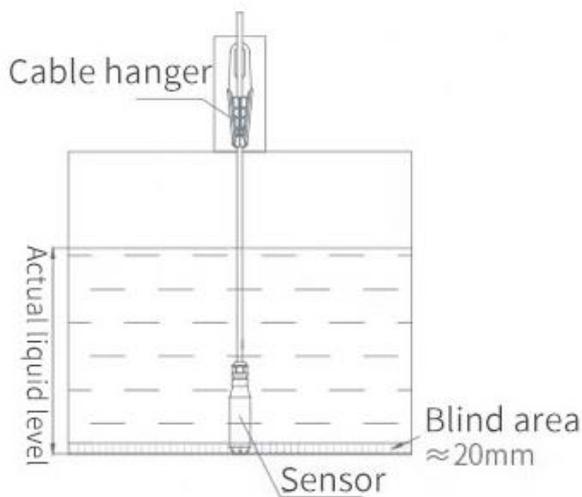◆ Accuracy: 0.5%FS
◆ Appearance size is approx. 145mm, diameter 28mm

Main parameters of liquid level transmitter

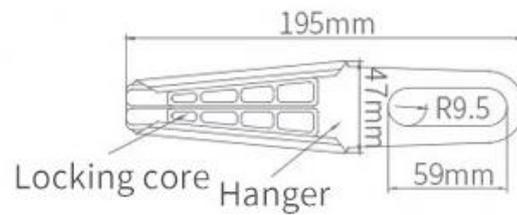|	
Measuring medium	: Non-corrosive liquid to stainless steel
Measuring range	: 0-5 meters or 0-10 meters
Output signal	: 4-20 mA (others on request 0-10V, 0-5V, 485 communication)
Power supply	: 12-36 Vdc (typical 24vdc)
Medium temperature	: 0-50ºC
Stable performance	: ±0.1%FS year
Accuracy level	: 0.5%FS (default). 0.2%FS
Overload capacity	: <1.5 times the range
Temperature drift	: ±0.02%FS/°C

Power supply (VDC)

P Transmitter

Pressure Input

Reb cable (V+)

Black cable (V-)

+ U⁻

Devices

A

Current Output (2 wires)

Cable hanger

Actual liquid level

Blind area ≈ 20mm

Sensor

Cable Hanger Installation

195mm

47mm

R9.5

59mm

Locking core   Hanger
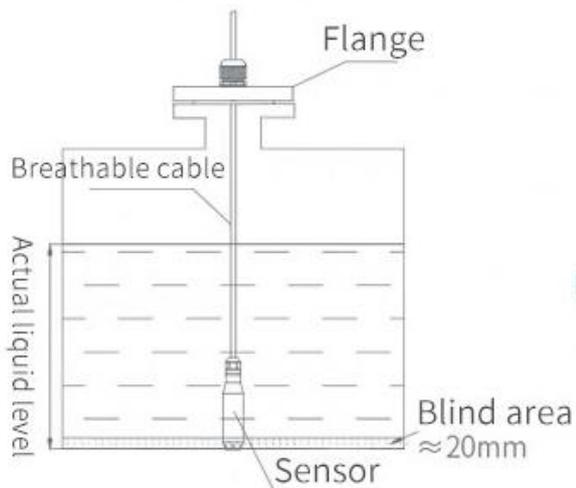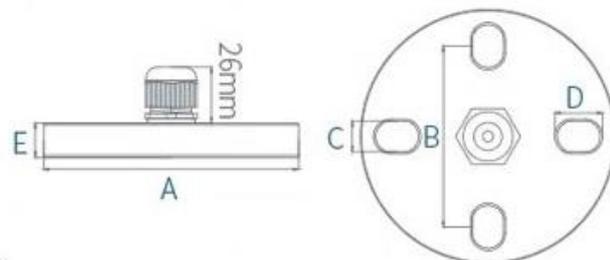
Locking core material: Engineering plastic

Hanger material: 304 stainless steel

Weight: 110g

Cable Hanger Size

Flange

Breathable cable

Actual liquid level

Blind area ≈ 20mm

Sensor

Flange Fixed Installation

26mm

E

A

C   B

D

Flange Fixed Size

Nieuwkoop BV

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1432 CM AALSMEER

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