Liquid Level Sensor

Features

- Strong anti-interference and long-term stability
- Anti-corrosion material, excellent anti-corrosion performance and durable
- Anti-blocking design, easy to clean
- 0.5~4.5V transmission output, it can be used with digital display, PLC, inverter, recorder and other instruments
- The shell is made of stainless steel and durable, and with waterproof cable, safe to use

Applications

- Reservoir detection
- High pool pump station
- River monitoring
- Marine monitoring station
- Dammed lake monitoring
- Wastewater treatment
- Deep well level monitoring
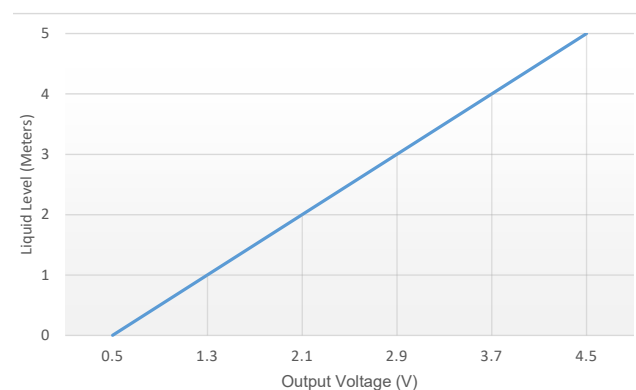- Tank level monitoring

Introduction

The liquid level sensor measures the height of the liquid and converting it to the voltage signal. It works with a data logger or other device which has an analog voltage input port.

The liquid level sensor has a built-in high performance and highly sensitive silicon piezoresistive core. The internal chip converts the sensor millivolt signal into a standard voltage signal, which can be connected to a computer, control instrument, or PLC. It's small size and lightweight, and it has a stainless steel sealing structure that can work in a corrosive environment. The sensor is easy to install and has high anti-vibration and anti-impact performance. It can widely be used in process control, aviation, aerospace, automobile, medical equipment, HVAC, and other applications.

Specifications

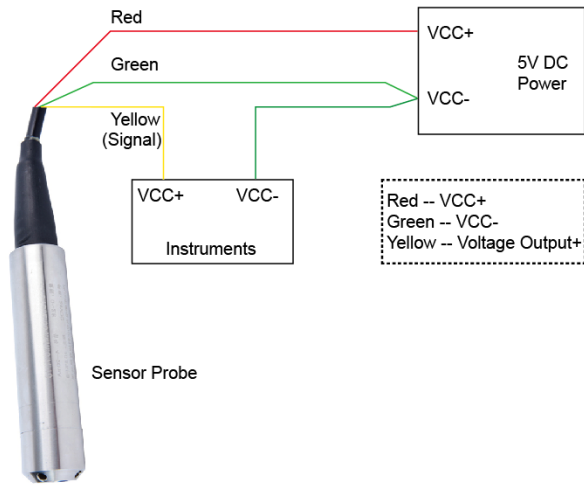|	
Measurement Range	0 ~ 5 meters
Cable Length	5.3 meters
Output Signal	0.5 ~ 4.5 V
Accuracy	±0.25%F.S
Zero Temperature Drift	±0.03%F.S/℃
Sensitivity Temperature Drift	±0.03%F.S/℃
Long-term Stability	≤0.2%F.S/year
Response Time	5ms (≤ 90%F.S)
Measurement Liquid	slightly corrosive liquid (water, edible oil, etc.)
Power Supply	5V DC
Overload Capacity	200%F.S
Compensation Temperature	-10 ~ +70 ℃
Medium Temperature	-40 ~ +80 ℃
Storage Temperature	-40 ~ +85 ℃
Material	304 stainless steel shell & 316L stainless steel core & special rubber-insulated cables
IP Rating	IP68
Device Weight	670g

Output Voltage

Certifications

Liquid Level Sensor

Wiring Diagram

Red

Green

VCC+

5V DC
Power

VCC-

Yellow
(Signal)

VCC+   VCC-

Instruments

Red -- VCC+
Green -- VCC-
Yellow -- Voltage Output+

Sensor Probe

Probe Dimensions

Cable

Φ28

148

v1.0