

Liquid Level Sensor(4—20 mA Analog Current Output Version)



Features

- Strong anti-interference and long-term stability
- Anti-corrosion material, excellent anti-corrosion performance and durable
- Anti-blocking design, easy to clean
- 4—20 mA current output, compatible with digital displays, PLCs, inverters, recorders, and other instruments that support 4—20 mA inputs.
- 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

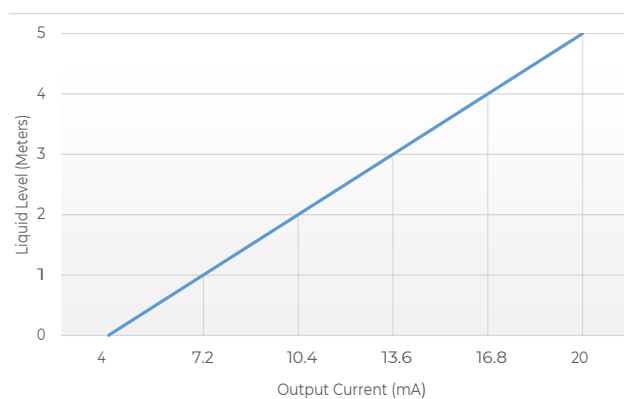
The liquid level sensor measures the liquid level and converts it into a 4–20 mA current signal. It works with a data logger or other device that supports a 4–20 mA current input.

The liquid level sensor features a high-performance, highly sensitive silicon piezoresistive sensing element. Its internal circuitry converts the sensing element's millivolt signal into a standard 4–20 mA current signal for connection to control instruments, PLCs, or computer-based data acquisition systems with compatible current inputs. Its compact, lightweight design and sealed stainless steel construction make it suitable for use with mildly corrosive liquids. The sensor is easy to install and offers high resistance to vibration and impact. It can be used in process control, aviation, aerospace, automotive systems, medical equipment, HVAC, and other applications.

Specifications

Measurement Range	0 ~ 5 meters
Cable Length	5.3 meters
Output Signal	4-20 mA
Accuracy	±0.5%F.S
Response Time	5ms (≤ 90%F.S)
Measurement Liquid	slightly corrosive liquid (water, edible oil, etc.)
Power Supply	9–30 V DC
Overload Capacity	200%F.S
Operating Temperature	-20 ~ +60 °C
Material	304 stainless steel shell & 316L stainless steel core & special rubber-insulated cables
IP Rating	IP68
Device Weight	670g

Output Current

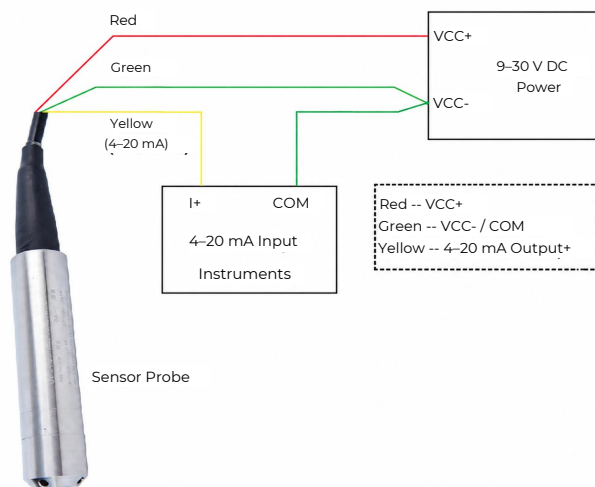


Certifications

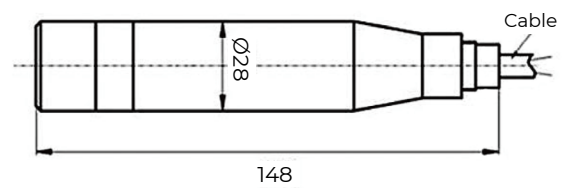


Liquid Level Sensor

Wiring Diagram



Probe Dimensions



Note

Please note that this sensor is factory-set to measure water density, if you have any requirements, please contact us at techsupport@seeed.io to set the density like diesel or other mild-corrosive liquid.