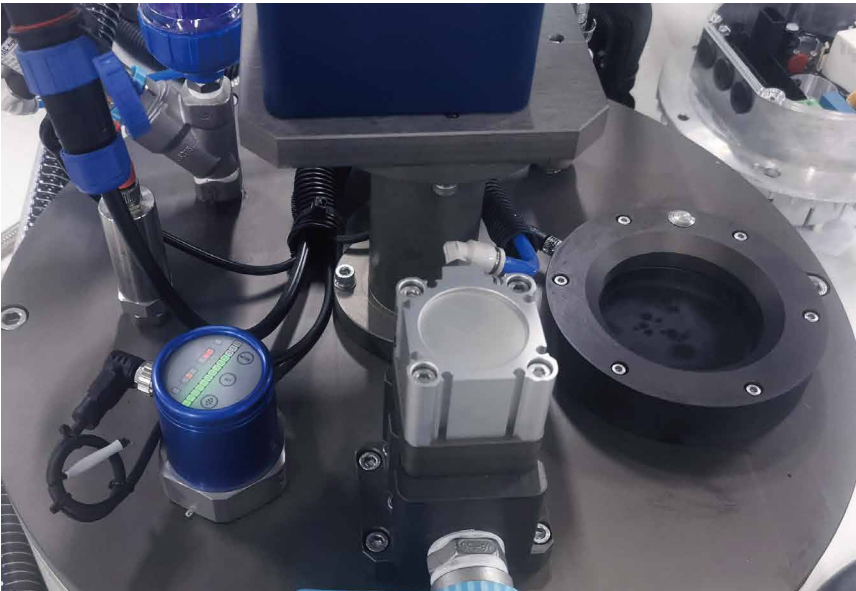


Liquid Level Sensor



Greegoo Analog Continuous Liquid Level Sensor operates based on the capacitive sensing principle. The probe consists of a hollow aluminum core coated with an insulating layer (e.g., PTFE, PEEK, or PFA). The metal core acts as one electrode, while the conductive liquid serves as the other. As the liquid level changes, the capacitance between the probe and the liquid varies accordingly. The sensor's amplifier employs precise algorithmic calculations based on capacitive principles to derive the relationship between liquid height and capacitance.

Product Application



Liquid Level Sensor

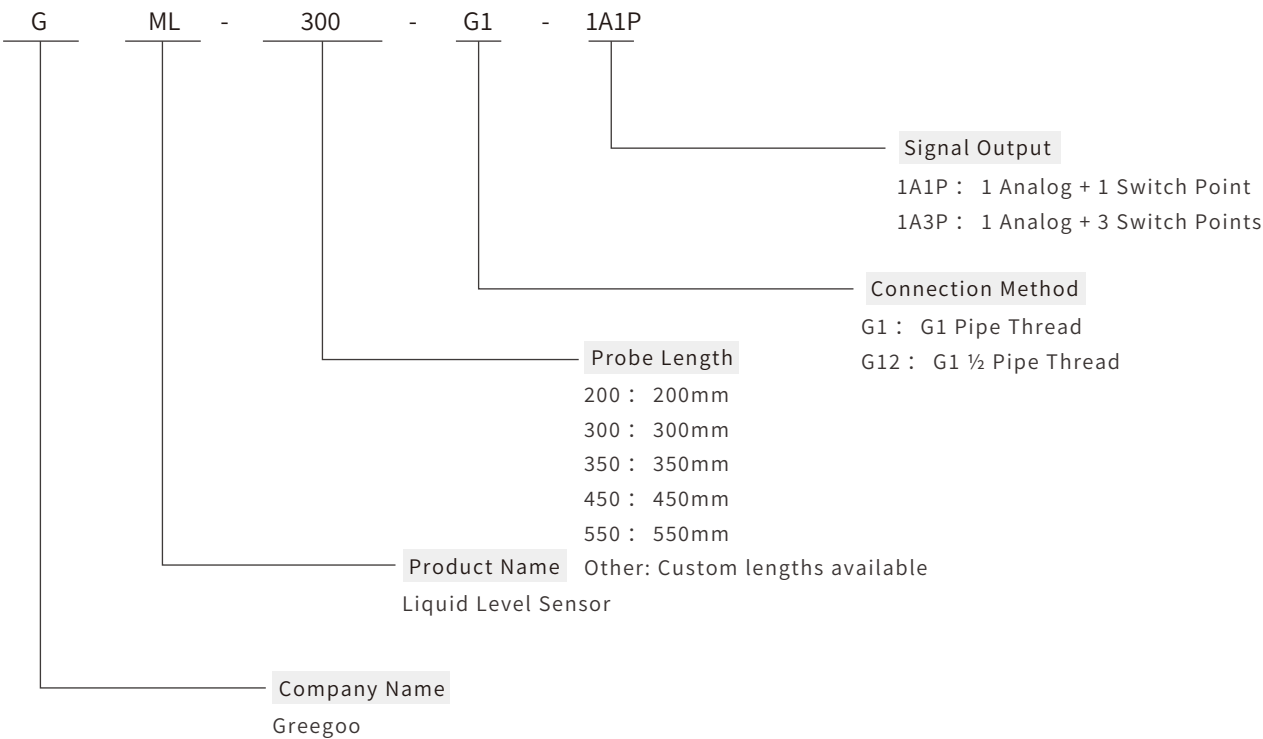


Liquid Level Sensor



Liquid Level Sensor

Model Selection Guide



Product Features

- Simple Structure
- Robust component connections ensure high reliability and minimal maintenance; typically requires no repair.
- Easy Installation
- Equipped with short-circuit protection to prevent device damage.
- Convenient Adjustment
- Zero and span settings via push-button; freely define effective liquid level detection range.
- Measurement/Resolution
- Stable measurement with high resolution.

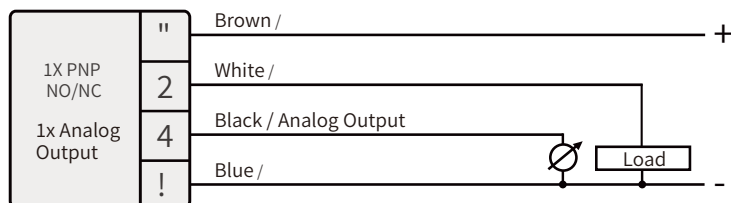


Analog Liquid Level Sensor

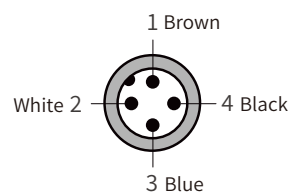
Technical Parameters

Name	Technical Parameters
Operating Voltage	20...30VDC
Operating Current	<80mA
Analog Output (Short-circuit/Reverse Polarity Protection)	Yes
0-10V Output	Min. load 500Ω
0-20mA Output	Max. load 500Ω
4-20mA Output	Max. load 500Ω
Switch Output	PNP (NO/NC switchable)
Load Current	Max. 200mA (with short-circuit protection)
Switching Point Setting	5...95% adjustable
Measurement Accuracy	±3% of full scale
Repeat Accuracy	±1% of full scale
Ingress Protection	IP67
Operating Temp. Range	0°C...+60°C
Medium Temp. Range	0°C...+70°C
Storage Temp. Range	-25°C...+80°C
Max. Medium Pressure	0.3MPa
Medium Dielectric Constant	>1.8
Ambient Temperature	0°C...+60°C
Max. Capacitance Range	0...3.3nF
Electrical Interface	M12 Connector

Wiring Diagram

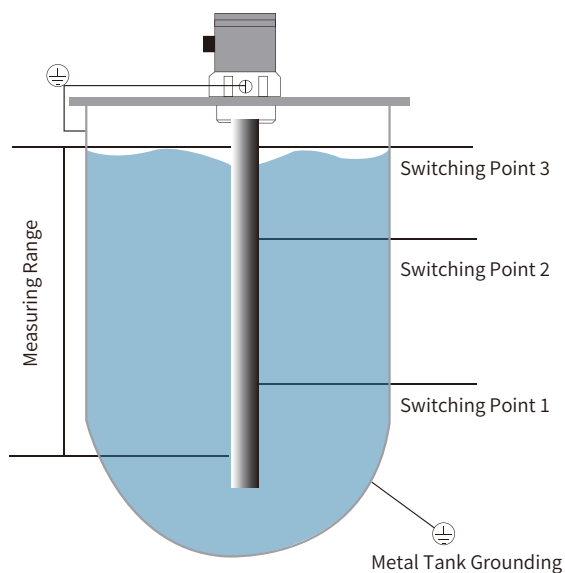


Circuit Wiring Diagram - Analog 4-20mA Output + 1 Switch Point



Connector: M12

Diagram



Dimension Diagram

