



Principles characteristics

LM310 capacitive liquid level sensor is based on the principle of capacitive induction, and the capacitance formed by charging liquid medium between positive and negative probe electrodes changes linearly with the liquid level, and converts the change of capacitance (that is, the change of liquid level) into the standard electrical signal output.

The core component of the product adopts a highly integrated special capacitance measurement chip, which can scan and analyze the sensor in multiple layers and has the advantages of high precision, high stability and continuous measurement after accurate compensation and correction.

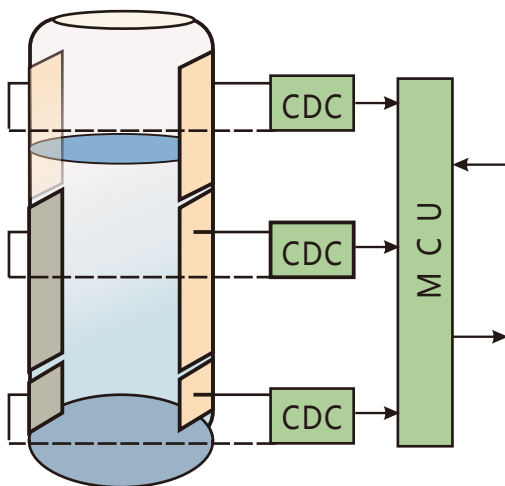
product application

Suitable for all kinds of conductive and non-conductive (jacking) liquids, such as sewage, oil, high viscosity, easy to crystallize, easy to adhere, volatile medium, with foam or fog influence difficult to measure occasions.

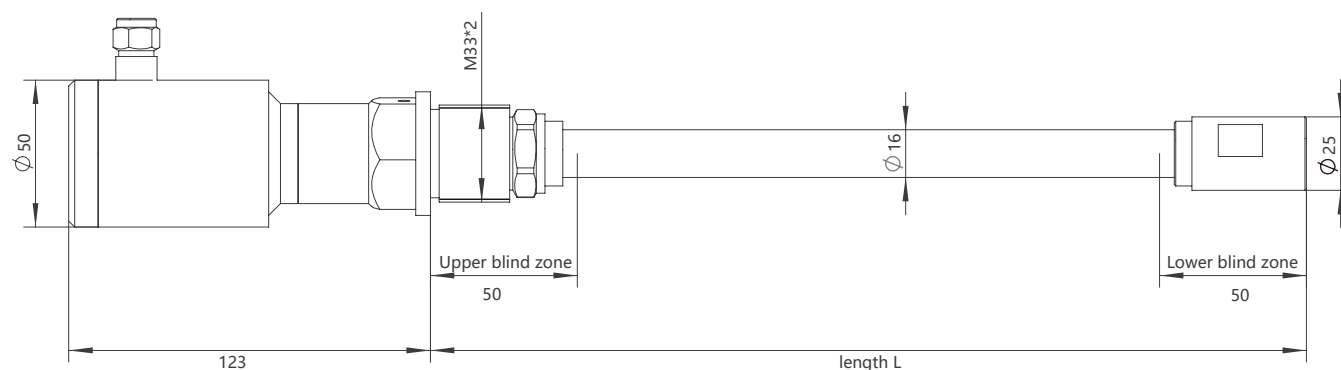
Technical parameters

- ◇ material: 304 stainless steel
- ◇ maximum length: ≤6M
- ◇ field display: none
- ◇ Pressure requirements: ≤2.5Mpa
- ◇ Temperature requirements: ≤150°C
- ◇ protection level: IP68
- ◇ Filled out a diameter: Φ 16
- ◇ His thread parameters: M33 x 2 threads
- ◇ Casing specification: 25 stainless steel tube
- ◇ flange: according to customer requirements
- ◇ flange standards: HG/T 20592-2009
- ◇ Flange material: 304 stainless steel
- ◇ 4-20ma two lines: support
- ◇ CAN communication four lines: support
- ◇ RS485 four lines: support
- ◇ 0-5v three lines: support

Multilayer scanning, intelligent analysis



Size chart (mm)



Selection table

L M 310-	0	A	-	-	detailed
LM 310					LM 310 series capacitance level gauge
	0				No protective tube
	S				Probe pole plus 25mm diameter stainless steel tube
		A			4-20mA, Two wire system
		R			RS485 Communications, four lines
		C			CAN bus communication, four lines
		V05			0... 5V output, three wire
			-		Without flange
			F25		Flange installation: DN25
				-	range: XX mm