

SLS605 Series capacitive universal level gauge

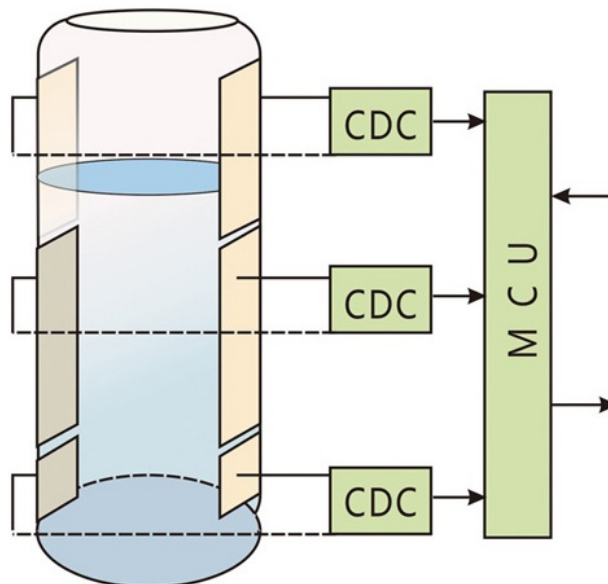
MAIN FEATURES

- Simple structure, no moving parts, high reliability and low maintenance
- Strong anti-sagging ability, anti-condensation, anti-steam, anti-bubble, etc.
- Multiple signal outputs are available for easy access to different systems
- High temperature resistance S150 °c, high pressure resistance S2. 5MPa, long service life
- Good product sealing performance, IP68 protection level.




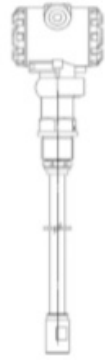


OVERVIEW

Capacitive level sensors are capacitors formed by the filling of liquid media between positive and negative probe poles, based on changes in capacitance induction, linear change, capacitive level sensor is based on capacitance induction changes, using positive and negative probe between the filling of liquid media formed by the capacitance as the level changes linearly, the amount of capacitance change (the amount of fluid variation) is converted to a standard electrical signal output. Product Core Components using a highly integrated dedicated capacitive measurement chip for multi-layer scanning analysis of sensors, accurate compensation correction, high accuracy, high stability and continuous measurement are preferred.



Multi-layer scanning, intelligent analysis

## SPECIFICATIONS

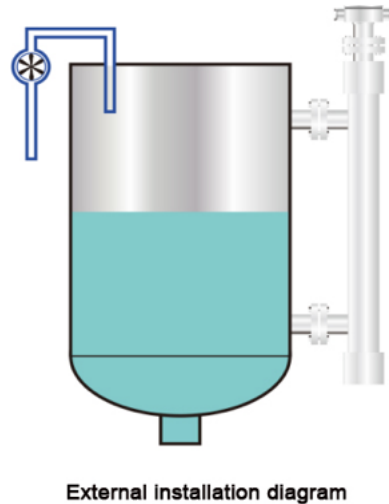
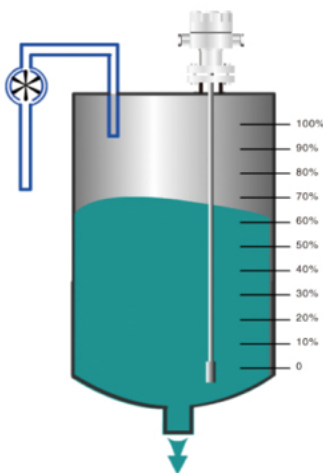
Product name		universal level gauge			
Model		SLS6051	SLS6052	SLS6053	SLS6054
	Appearances				
	Application	Suitable for a variety of conductive and non-conductive (sleeve) liquids, such as sewage, oils, high viscosity, crystallizing, easy to adhere to, media variability, foam or aerosol effects, such as difficult to measure Sewage, oil, chemical raw liquid, liquid medicine, underground sewage, septic tank, etc.			
Product parameters	Material	304 stainless steel	2088 aluminum alloy housing	304 stainless steel	PTFE
	Maximum length	≤2M	≤6M	≤6M	≤15M
	On-site display	No	Yes	No	No
	Pressure range	≤1Mpa	≤2.5Mpa	≤2.5Mpa	Atmospheric
	Temperature range	≤150℃	≤150℃	≤150℃	Ambient temperature
	Protection level	IP68	IP67	IP68	IP68
	Probe diameter	φ12	φ16	φ16	φ16
Thread parameters	M27x2 thread	M33x2 thread	M33x2 thread	G2 thread	
Matching	Sheath tube specifications	φ22 stainless steel tube	φ25 stainless steel tube	φ25 stainless steel tube	φ 30 Carbon fiber tube
	Flange	Can be customized	Can be customized	Can be customized	Can be customized
	Flange standard	HG/T 20 592-2009	HG/T 20592 -2009	HG/T 20592 -2009	HG/T 20592 -2009
	Flange material	304 stainless steel	304 stainless steel	304 stainless steel	PTFE
Communication	4-20Ma 2 wires	Yes	Yes	Yes	Yes
	CAN four wires	Yes	Yes	Yes	Yes
	RS485 four wires	Yes	Yes	Yes	Yes
	0-5V three wires	Yes	Yes	Yes	Yes
	Description: The SLS605 series only supports - a type of communication.				

Note

You can choose with temperature measurement function.

### INSTALLATION AND COMMISSIONING

The universal liquid level meter has a variety of installation and fixation methods to adapt to different site conditions. When the process facilities such as internal thread or flange cannot be provided on site, three installation methods can be selected, i.e. wall installation, horizontal pipe rack and vertical pipe rack, so that you can easily install them on site. (attached)



### WIRING CONNECTION

The liquid level meter is a standard two-wire or four wire instrument. It uses the connection mode of outgoing line or terminal to communicate with the upper computer. The terminal is located at the wiring side of the instrument shell. The signal line should use shielded wire or twisted pair. It is not allowed to pass through the conduit or open trunking together with other power lines, or run the wire near the high-power equipment.

