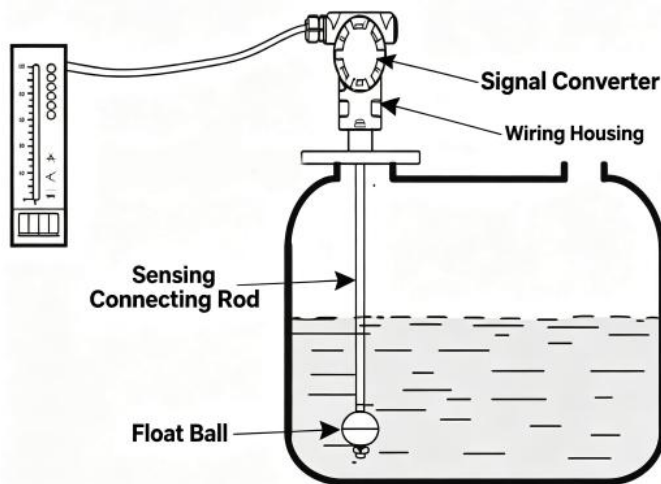


Liquid Level Float Switch



The liquid level float switch is a pointer-type instrument used for directly indicating the liquid level inside various open or pressurized vessels. Compared with the glass plate level gauges commonly used in industrial equipment, it is not prone to breakage and provides clearer readings. It is particularly suitable for direct indication of oily or viscous liquid media that tend to adhere to glass tube walls, as well as toxic or hazardous media.

The instrument has an all-mechanical structure, thus offering intrinsic safety when used in flammable and explosive environments. The UQZ-1 and UQZ-3 series liquid level float switches are top-mounted instruments, suitable for level indication in underground water tanks or oil depots. The UQZ-2 series liquid level float switch features strong vibration resistance and can be used on mobile units such as tank trucks.



Using a magnetic float as the measuring element, through magnetic coupling, the resistance inside the sensor changes linearly. A smart converter converts the resistance change into a 4-20 mA standard current signal, with a HART signal superimposed for output, or it can be displayed locally on an LCD. Liquid level float switch can locally display the percentage of liquid level, the 4-20 mA current, and the level value. It can be transmitted to the control room for remote automatic detection, control, and recording.

Product Parameters

Item	Specification
Product Model	SISCO-LS-XP-99
Measurement Accuracy	$\leq \pm 10$
Ambient Temperature	-20 ~ +60°C
Pressure Rating	$\leq 32\text{MPa}$
Measuring Range	300~9000 mm
Medium Density	0.5~2 g/cm ³
Remote Transmission Distance	1000m
Housing Material	Stainless Steel / 304 / 316L / PTFE Lined
Mounting Method	Radial

Features of the liquid level float switch:

1. It is suitable for liquid level measurement in containers. In addition to local display, it can also be equipped with remote transmitters, level controllers, and other functions.
2. The display is clear and eye-catching, and the display direction can be changed according to user requirements.
3. The magnetic liquid level float switch has a large measuring range and is not limited by the height of the container.
4. The display assembly is completely isolated from the measured medium, thus ensuring good sealing, reliability, and safety.
5. The structure is complex, installation is convenient, but maintenance is complicated.

Liquid level float switch is used for liquid level detection of liquid media in various pressurized storage equipment in industrial processes. It can locally display the working condition and liquid level of various liquids. Meanwhile, the anti-corrosion liquid level float switch is suitable for measuring liquid levels in sewage treatment and various atmospheric and pressurized containers in industries such as petroleum, chemical, electric power, light industry, and medicine. It is especially ideal for level measurement in underground storage tanks and vessels.