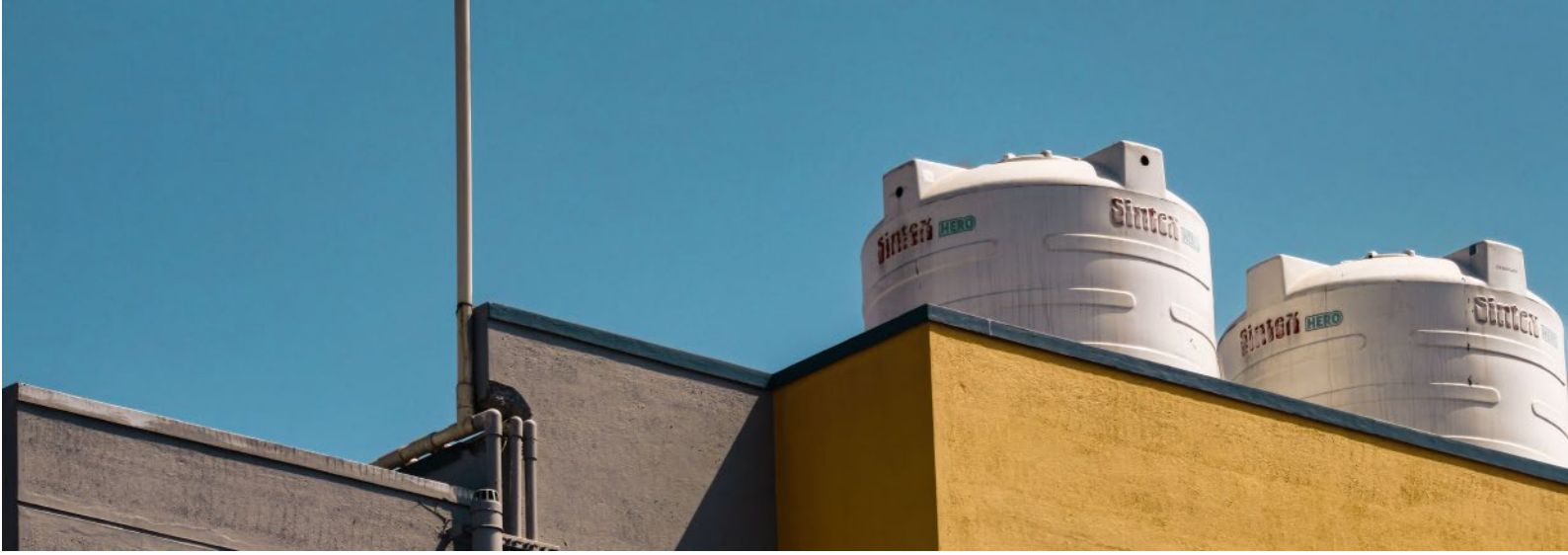


Level Sensor S60

General Description

This TOF Wireless Level Sensor features advanced non-contact Time-of-Flight ranging technology for accurate and reliable liquid level monitoring. Adopting professional ultra-low-power hardware and software optimization, it is powered by a built-in non-rechargeable industrial battery, supporting over 15 years of fully maintenance-free operation without frequent replacement or charging.

It covers a wide 2.5cm–1100cm detection range, adapting to most standard storage tanks and compatible with water, oil, chemical solvents and various industrial liquids. Free from corrosion, scaling and mechanical wear defects of traditional sensors, the lightweight wireless design enables tool-free quick installation. It is ideal for long-term unattended level monitoring in industrial, municipal, environmental and commercial scenarios.

Target Application

- Water Tank & Reservoir Level Monitoring
- Wastewater and Drainage Systems
- Chemical and Oil Storage Tanks
- Agricultural Irrigation and Livestock Water Supply

Advantages:

- **15+ Year Battery Life** – High-capacity Li-SOCl battery ensures a decade of reliable service without replacement.
- **11m Measurement Range** – Accurately detects liquid levels up to 11 meters.
- **4G Cellular Connectivity**– Directly transmits data to the cloud via 4G network, no gateway required.
- **Rugged & Submersible** – IP67-rated transceiver and IP68-rated stainless steel probe for harsh outdoor use.
- **Smart Alert & Logging** – Configurable thresholds, local data storage, and automatic retransmission on signal recovery.



S60 Specification

Model	S60
Shape	
Bands	
S60-4	4G LTE: Global or B1/3/5/7/8/20/28(EU) or B2/3/4/5/7/8/28/66(LA)
Sensor	
Measure Range	2.5cm to 1100cm (Indoor or enclosed space)
Blind Zone	0-2.5cm (From sensor surface)
Accuracy	< 4% (Distance > 25cm) or < 10mm (Distance < 25cm)
FOV	5°
Optical Properties	Class 1 Laser
Battery	
Battery Capacity	3.6V 14000 mAh
Battery Life	>15 Years (1 Report / Day)
	>7.5 Years (2 Report / Day)
General	
Dimension	Φ45.5*80mm
Weight	265g
Operating Temperature	-40 °C ~ +85 °C
Working Current	< 100mA
Sleeping Current	< 50μA
Protocol	TCP / UDP / MQTT
SIM Type	eSIM / Nano SIM
SMS Alert	Optional
Ingress Protection	IP68
Shell Color	White / Black
Shell Material	ABS
Installation Aperture	

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