SEN701-CS09 Wireless Ultrasonic Level Sensor

Product Description

The wireless ultrasonic level sensor uses high-performance processors and high-quality components, and has the advantages of good stability, long service life, low power consumption, small size, and easy use. The use of ultrasonic sensing technology for ranging ensures the stability and high-precision performance of the product. Using the 4G-CAT1 network to achieve wireless transmission of field data to the cloud can help customers quickly realize real-time acquisition of field data by Internet PC or mobile terminal, and can be widely used in various fire protection, wells, water conservancy and other occasions.



Features

- Low power consumption design.
- Moisture-proof, anti-condensation, anti-leakage, protection level IP65.
- Excellent anti-interference and anti-static properties.
- High precision, high frequency response, good long-term stability.
- On-site liquid level data can be wirelessly transmitted to the cloud platform via 4G-CAT1.

Applications

- Industrial process level measurement and control.
- Water conservancy, hydropower, fire monitoring and control.
- Building automation, constant pressure water supply.
- Urban water supply and sewage treatment.
- Automation system level measurement and control.
- Various low power consumption applications.

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Specifications

Reference temperature: 25°C (unless otherwise specified)

Measuring range	3, 6 meters optional
Transmission method	4G-CAT1 data transmission
Communication protocol	MQTT
Measurement of effective vertical angle	20±15°
Power supply method	3.6V battery power supply, standard 8000mAh battery capacity, service life 1-3 years (depending on data reporting frequency)
Power consumption	Sleep current: ⩽20uA; Sampling current: ⩽1mA (lasting 1s); Communication average current: ⩽100mA (lasting 15s); Online current: ⩽20mA (lasting 60s)
Accuracy	±0.5%FS
Operating temperature	-20 ~ +60°C
Protection level	IP65

Ordering Guide

Example:SEN701-CS091121

①　②　③④⑤⑥

① Product series model　② Product model code　③ Precision code　④ Output code

⑤ Power supply code　⑦ Range code

SEN701-	Company code + product series code						
	CS09	Product model code					
		1	±0.5%FS				precision
			8	4G CAT1			output
			9	NB-IoT			
				7	Battery operated 3.6V		power supply
					4	0~0.28m...6m (plane ranging)	range
					5	0~0.28m...3m (hoistway ranging)	