SEN701-CS08 Compact Ultrasonic Liquid Level Meter

Product Description

The compact ultrasonic level gauge is a sensor that uses ultrasonic sensing technology for distance measurement. The sensor uses high-performance processors and high-quality components, making the product stable and reliable and with a long service life. The sensor uses a waterproof ultrasonic transducer and has strong adaptability to the working environment. The sensor is equipped with a special speaker, which is suitable for larger detection range requirements. This series has a variety of different output modes and is a high-performance, high-reliability commercial-grade functional sensor that is easy to operate.



Features

- High protection level.
- Strong anti-interference.
- High measurement accuracy.
- Has automatic output mode to release user processor.
- There is a controlled output mode to minimize power consumption according to the actual application.
- Small size, easy to install.
- Low power consumption.
- Strong antistatic.

Applications

- Horizontal ranging
- Level measurement
- Object proximity and presence awareness
- Intelligent waste bin management system
- Robot obstacle avoidance and automatic control
- Monitoring of sewer and well bottom water levels

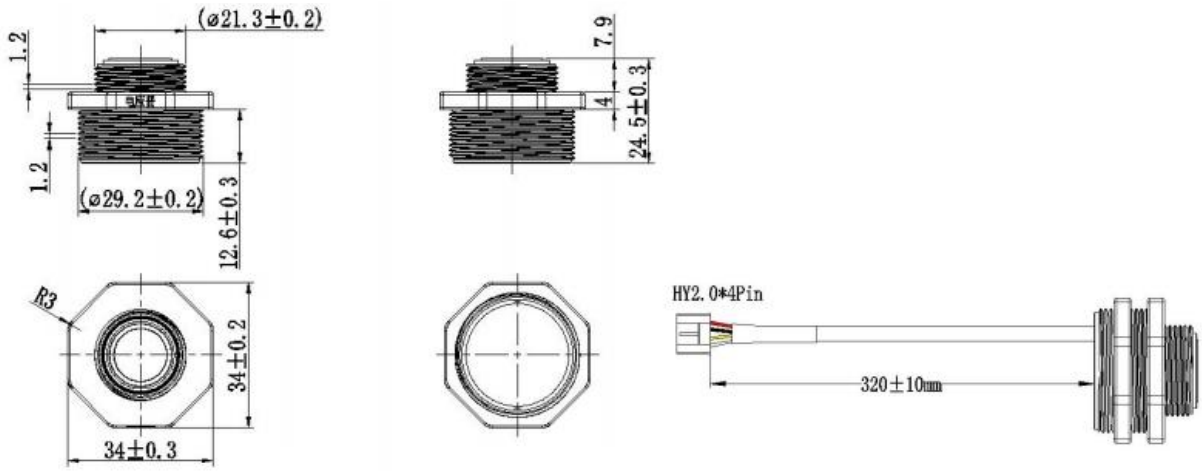
Specifications

Measuring range	28~750cm (when measuring distance on a plane)		
Signal output	UART, RS485 (PWM, switching value can be customized)		
Power supply	3.3V~5V DC/5-12V DC (RS485 type)		
Accuracy	±(1cm+S*0.3% (S is the measured value)		
Average power consumption	<10mA, standby current can be lower than 10uA		
Resolution	1mm	Operating temperature	-15~60°C
Response time	100~500ms	Protection level	IP67

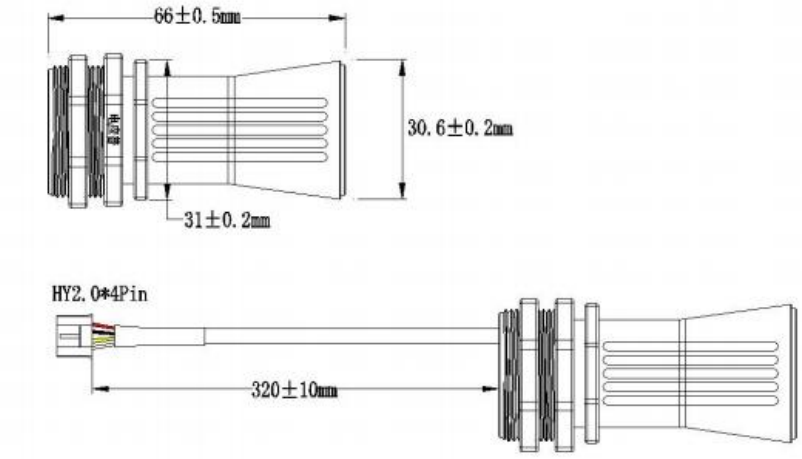
SEN701-CS08 Compact Ultrasonic Liquid Level Meter

Dimensions

Mechanical properties without bell mouth:



Mechanical characteristics of bell mouth:



Electrical Connection

Thread color	Definition
Red	VCC
Black	GND
White	RS485 A/TXD
Yellow	RS485 B/RXD

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Ordering Guide

Example:SEN701-CS081121

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						
	CS08	Product model code					
		4	±(1cm+0.3%FS)				precision
			4	RS485			output
			5	TTL (UART)			
			6	PWM			
			7	switching quantity			
				5	3.3~5VDC		power supply
				6	5~12VDC		
					3	0~0.28m...7.5m	range