



# PRODUCT OVERVIEW

# LEVEL MEASUREMENT

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## UL101 Universal Ultrasonic Level Sensor

### PROFILE

UL101 is an advanced ultrasonic level sensor designed to provide precise and reliable level measurement for a wide range of applications. With its cutting-edge technology and user-friendly features, it offers efficient and hassle-free level monitoring solutions.

It offers high-precision level measurements, ensuring accurate and reliable data for various industrial processes. Utilizing advanced technology, the sensor operates without physical contact with the measured substance, preventing contamination and minimizing maintenance requirements.

The sensor can be seamlessly integrated into your systems, providing flexibility in data management. It comes with an IP65 protection rating and can be customized for higher protection ratings, ensuring durability in challenging environments.



### CHARACTERISTICS

- ☆ Accuracy:  $\pm 0.25\%F.S$
- ☆ Wide working temperature scope
- ☆ Automatic digital temperature compensation
- ☆ Excellent resistance against corrosion
- ☆ Versatile connectivity
- ☆ Wide power supply range
- ☆ Minimal power consumption
- ☆ Easy Installation and user-friendly design
- ☆ CE approval

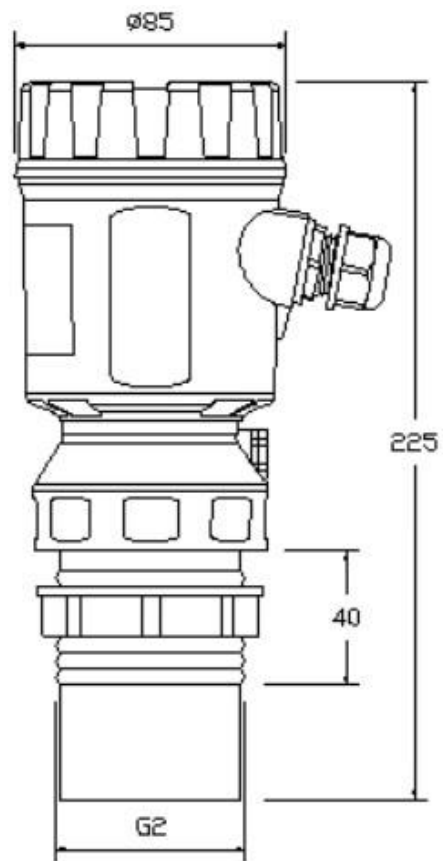
### APPLICATIONS

- ★ Water treatment, such as pump rooms, water collection wells
- ★ Sewage treatment, such as biochemical reaction tanks, sedimentation tanks
- ★ Electricity
- ★ Mining: coal slurry pools, butter storage tanks, stockyard or mobile equipment control
- ★ Food industry: wineries, granaries, food storage tanks...
- ★ Control systems

## Specifications

Model	UL101
Parameter	
Range	2, 5, 8, 10, 12, 15m
Blind Area	<0.25- 0.6m (it varies with the measuring range)
Accuracy	±0.25%F.S
Transmission angle	<10°
Minimum display resolution	1mm
Frequency	20 KHz~2000KHz
Output	0~20mA; 4~20mA load>300Ω; 0~5V; 0~10V; RS485 (Modbus)
Wireless transmission	Built-in GPRS wireless communication with optional SMS data prompt (the collection system can be customized)
Switching output	Two-way NPN/relay (AC: 5A 250V DC: 10A 24V)
Power consumption	<1.5W
Power Supply	DC12-24V or AC220V
Display	LCD
IP rating	IP65 (Higher IP ratings by customized)
Electrical port	M20×1.5
Mounting Interface	G2 or Ø60mm round hole with large washer

## Dimensions



**ORDER INFORMATION**

P/N	05	E5	S13	1	01
<b>UL101</b>					
<b>SELECTION</b>					
Range	02=2m 05=5m 08=8m ... 15=15m				
Output	E56=0-20 mA E6=0-5 V E11=RS485 X=by customized	E5=4-20 mA E7=0-10 V S=Switch			
Power supply	S13=12-24 V DC S55=AC220V				
IP rating	1=IP65 X=By customized				
Cable length	01=Cable 1m X=Cable X m				