

FEATURES

- Ultrasonic sensors
- Ultrasonic Level Meter/Sonar
- Wood, Liquid and Solid Level Measurement
- Tanks, Totes, Processing
- Narrow Beam and Short Dead Band 20mm
- Temperature Compensated
- Intrinsically Safe CE & IP67 compliant in properly designed integrated system
- Tamperproof & Rugged
- IP67 Enclosure Rating

RS PRO Ultrasonic Level Meter/Sonar

RS Stock No.: 2565734



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Ultrasonic Level Meter/Sonar

Product Description

Ultrasonic sensors precisely detect objects made from various materials regardless of their shape, colour, or surface contour. They operate using high-frequency sound waves that are inaudible to the human ear.

- Liquid Level Measurement
- Underwater distance measurement
- Factory automation
- Tanks, Totes, Processing

General Specifications

Series	ULM
Detection Range	20mm – 2000mm
Transducer Frequency	2M Hz
Sensor Configuration	Diffuse Reflection
Output Type	1 Digital output UART TTL
Response Time	125 ms
Beam Angle	6°
Deviation of the characteristic curve	± 1% of full-scale value
Repeat accuracy	±0.1% of full-scale value
Terminal Type	
Communication Interface	
Indicator	
Wire Technique	4-wire
Electrical Connection	wires
Cable Length	120mm
Minimum Operating Temperature	-25 °C
Maximum Operating Temperature	75 °C
Shock Resistance	
Vibration Resistance	

Electrical Specifications

Operating Voltage Range	5 to 12V DC
Current Consumption	≤15mA (No-load)
Voltage Drop	
Minimum Load	2K Ohm
Switching Frequency	
Switching Current	
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Overload Protection	Yes

Ultrasonic Level Meter/Sonar

Mechanical Specifications

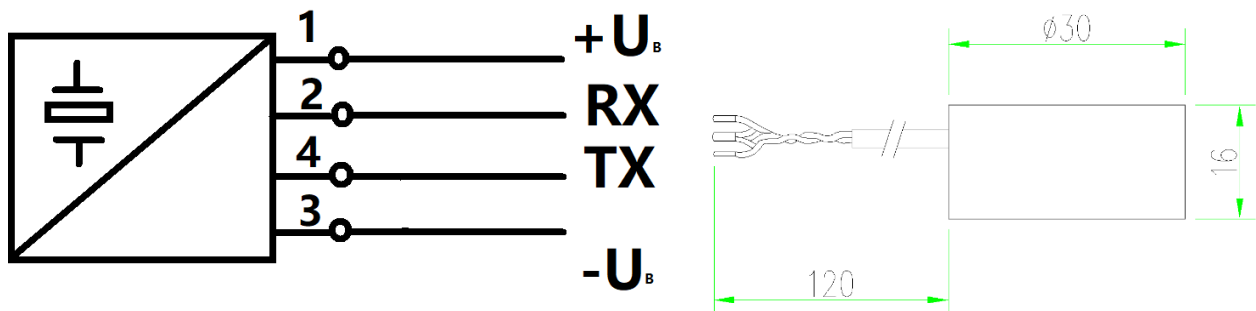
Body Style	Cylindrical
Thread Size	
Housing Material	ABS/PVC
Front Material	ABS/PVC
Dimensions	∅30mm x 16mm
Width / Diameter	∅30mm
Length	
Depth	16mm
Weight	20g

Protection Category

IP Rating	IP67
-----------	------

Approvals

Compliance/Certifications	CE / RoHS EN 60947-5-2
Declarations	MFR Declaration of Conformity



- RED: +U
- WHITE: UART_RX
- YELLOW: UART_TX
- BLACK: -U