

FEATURES

- Ultrasonic sensors
- insensitivity to countless materials, surface types, and colors
- Wood, metal, or plastic; colored, reflective or transparent
- Narrow Beam and Short Dead Band
- Temperature Compensated
- Intrinsically Safe CE & IP67 compliant in properly designed integrated system
- Tamperproof & Rugged
- IP65 Enclosure Rating
- Accurate under demanding environmental conditions

RS PRO Ultrasonic Level/Distance Sensor

RS Stock No.: 2565740



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/Distance Sensors

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 and Solid Level Measurement
- Position Detection
- Factory automation
- Tanks, Totes, Processing

General Specifications

Series	M18
Detection Range	80mm – 1000mm
Transducer Frequency	200KHz
Sensor Configuration	Diffuse Reflection
Output Type	RS485
Response Time	85 ms
Beam Angle	8°
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	Male connector M12 4 pins
Cable Length	2m
Minimum Operating Temperature	-25 °C
Maximum Operating Temperature	75 °C
Shock Resistance	
Vibration Resistance	

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

Ultrasonic Level/Distance Sensors

Mechanical Specifications

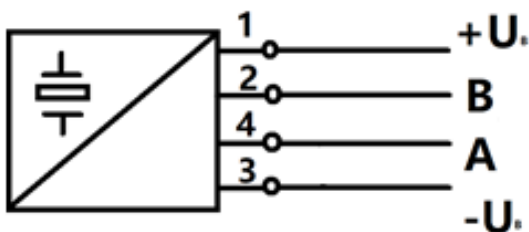
Body Style	Cylindrical
Thread Size	M18
Housing Material	ABS/PVC
Front Material	Epoxy
Dimensions	∅30mm x 36mm
Width / Diameter	∅30mm
Length	36mm
Depth	
Weight	50g

Protection Category

IP Rating	IP65
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Approvals

Compliance/Certifications	CE / RoHS EN 60947-5-2:2020
Declarations	MFR Declaration of Conformity



- 1 BROWN +U
- 2 WHITE 485_A
- 3 BLUE -U
- 4 BLACK 485_B

V1 Connector

