Ultrasonic distance sensors

Waterproof Ultrasonic Distance Sensor, Optional Horn, IP67

Model A01-V2.0

Integrated closed-probe ultrasonic distance sensor rated up to IP67, reaching 28-750 cm with the horn and 28-450 cm without, with ±(1 cm + 0.3% of distance) accuracy.



Range	Accuracy
28-450 cm	±(1+S* 0.3%)
Output	**Blind zone**
UART / PWM / switch output	28 cm

Features

- Horn gives controllable close-range angle and stronger long-range signal
- UART, PWM and switch outputs
- Triggered output mode reduces power consumption
- Variants for planar objects, human bodies and waste detection
- 28 cm blind zone, 3.3V-5V supply

Applications

Object proximity and presence detection, Parking management, Waste-bin overflow monitoring

Specifications

IP rating	up to IP67
Product model	A01-V2.0
Accuracy	±(1+S* 0.3%)
Operating voltage	3.3V-5V
Average current	10mA
Temperature compensation	Yes
Blind zone	28 cm

A01A

Product mode	A01A planar ranging
Maximum measuring distance	750 cm

A01B	
Product mode	A01B human body ranging
Maximum measuring distance	350 cm

A01C	
Product mode	A01C garbage detection
Maximum measuring distance	250 cm

Dimensions	
Housing length	66±0.5 mm
Horn outer diameter	30.6±0.2 mm
Body dimension (dimension line labelled 31±0.2, exact feature not identifiable from drawing)	31±0.2 mm

Wiring	
Cable length	320±10 mm
Connector	HY2.0*4Pin

Details image	
IP rating	IP67
Operating voltage	3.3-5 V
Output	UART / PWM / switch output
Measuring range (without horn)	28-450 cm
Measuring range (with horn)	28-750 cm

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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