Ultrasonic distance sensors

Split Waterproof Ultrasonic Distance Sensor, Housed

Model A02-V2.0

Housed split-probe waterproof ultrasonic distance sensor rated up to IP67, measuring 3cm-450cm with UART, PWM or switch output and ±(1 cm + 0.3% of distance) accuracy.



Range	Accuracy
3cm-450cm	±(1+S* 0.3%)
Output	**Protection**
UART output	up to IP67

Features

- Closed split waterproof design, up to IP67
- Mounting screw holes for easy fixing
- Low-power design, 8 mA average current
- Temperature compensation
- DC3.3V-5V supply

Applications

Object proximity and presence detection, Parking management, Robot obstacle avoidance, Automatic control

Specifications

IP rating	up to IP67
Model	A02-V2.0
Measuring accuracy	±(1+S* 0.3%)
Operating voltage	DC3.3V-5V
Average current	8 mA
Temperature compensation	Yes
Measuring range	3cm-450cm

Output

Output	UART output
Output	PWM output
Output	Switch output

Dimensions

Overall width (top view)	63.6±0.5 mm
Overall height (top view)	29.6±0.5 mm
Overall length incl. mounting ears	84.6±0.5 mm
Mounting hole spacing	72.6±0.4 mm
Transducer spacing	34.0±0.3 mm
Mounting hole diameter	ø3.2±0.1 mm
Body height (side view)	29.0±0.3 mm
Transducer height (side view)	12.5±0.1 mm
Transducer diameter/offset (side view)	13.0±0.2 mm
Dimension (side view)	4.0±0.2 mm
Dimension (bottom view)	2.0±0.1 mm
Dimension (bottom view)	4.0±0.2 mm
Dimension (bottom view)	12.5±0.2 mm
Cable length	300±10 mm
Operating voltage	3.3-5 V
Output	UART / PWM
Measuring range	3-450 cm

Ordering and support

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

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