Ultrasonic level sensors

Waterproof Ultrasonic Sensor Family, Long-Range and Bin

Model A08-V1.0

IP67 ultrasonic sensor family in long-range (25-800 cm), wide-angle (25-500 cm) and bin-overflow (25-200 cm) variants, with ±(1 cm + 0.3% of distance) accuracy.



Range	Accuracy
25-800cm	±(1+S×0.3%)
Output	**Protection**
UART/PWM/switch	up to IP67

Features

- Long-range variant has a small beam angle
- Wide-angle variant detects small or low-reflectivity targets
- Bin variant: UART auto output, frame filter
- UART auto, UART controlled, PWM and switch outputs
- DC3.3V-5V supply

Applications

Waste-bin detection, River-channel water level, Vehicle blind-spot collision avoidance, Smart city

Specifications

IP rating	up to IP67
Product model	A08-V1.0
Accuracy	±(1+S×0.3%)
Operating voltage	DC3.3V-5V
Temperature compensation	Yes
A08A	
Sensor mode	A08A series
Measuring range	25-800cm
Output	UART/PWM/switch
A08B	
Sensor mode	A08B series

Measuring range	25-500cm

A08C	
Sensor mode	A08C series
Measuring range	25-200cm
Output	UART

Dimensions (no horn)	
Overall width/diameter	34.80
Thread outer diameter	Φ31.50
Dimension	7.80
Thread pitch	1.80
Dimension	9.70
Dimension	14.40
Wire length	(145)
Dimension	Φ26.10
Dimension	4.90
Thread specification	3/4-14 NPS

Dimensions (with horn)	
Horn outer diameter	Φ43.56
Horn length	43.70

Details image	
IP rating	IP67
Operating voltage	3.3-5 V
Output	UART auto / UART controlled / PWM / switch output
Standard measuring range	25-800 cm
Measuring range for people	25-500 cm

Ordering and support

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

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