Ultrasonic level sensors

Ultrasonic Well and Water-Level Sensor, Threaded, IP67

Model A07-V1.0

Threaded ultrasonic sensor for well and water-level measurement, 25-800 cm range with a 25 cm blind zone, UART or PWM output, IP67 and an optional anti-corrosion transducer.



Range	Output
25-800 cm	UART/ PWM
Blind zone	**Protection**
25 cm	IP67

Features

- Target recognition and ranging algorithms
- Onboard temperature compensation
- Remote firmware upgrade
- 3.3-5 V supply, 10 uA static current
- Operating temperature -15–60 °C

Applications

Water-level monitoring, Well level measurement, Smart agriculture, Smart city

Specifications

IP rating	IP67
Operating voltage	3.3-5 V
Static current	10 uA
Measuring range	25-800 cm
Blind zone	25 cm
Output	UART/ PWM
Accuracy	±1cm+detection distance*0.3%
Temperature compensation	Yes
Operating temperature	-15–60 °C

Dimensions

Thread	3/4"-14 NPS (as printed in drawing label)
Flange/housing width (both variants)	34.80 mm

Top connector height	4.90 mm
Thread outer diameter	Ø26.10 mm
Thread length	14.40 mm
Nut height	7.80 mm
Wire length	(145) mm
Probe diameter, without horn	Ø31.50 mm
Probe length, without horn	9.70 mm
Horn outer diameter, with horn	Ø43.56 mm
Horn height, with horn	43.70 mm
Output	UART auto / UART controlled / PWM
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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