Ultrasonic distance sensors

Waterproof Ultrasonic Sensor, Cabled Probe, UART/PWM/Switch

Model ME007YS-V1.1

Transceiver-integrated waterproof ultrasonic module with a closed cabled probe, 28-450 cm range, 5 V supply and UART, PWM or TTL switch output.



Range	Accuracy
28-450 cm	±(1+S*0.5%) cm
Output	**Frequency**
PWM pulse width	40K±1.0K Hz

Features

- Blind zone 0-28 cm
- Average current <8 mA
- Strong ESD resistance
- Automatic output mode frees the host processor
- Operating temperature -15–60 °C

Applications

Humid and harsh environments

Specifications

ME007YS-PWM	
Operating voltage	5 V
Average current	<8 mA
Peak current	≤50 mA
Blind zone	0-28 cm
Measuring range, flat object	28-450 cm
Output	PWM pulse width

ME007YS-TX	
Output	UART

ME007YS-KG	
Output	TTL level switch

ME007YS-PWM	
Working cycle	Controlled ms
ME007YS-TX	
Working cycle	100 ms
ME007YS-PWM	
Accuracy at room temperature	±(1+S*0.5%) cm
ME007YS-TX	
Accuracy at room temperature	±(1+S*0.3%) cm
ME007YS-PWM	
Probe center frequency	40K±1.0K Hz
ESD	±4/±8 KV
Temperature compensation	Not compensated
ME007YS-TX	
Temperature compensation	Compensated
ME007YS-PWM	
Operating temperature	-15–60 °C
Output	UART / PWM pulse width / TTL switch output
Measuring range	28-450 cm

Ordering and support

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

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