

INTRODUCTION

This is an ultrasonic distance sensor(ULS) of high performance with an enclosed waterproof probe. The sensor, like many other ultrasonic sensors, based on the principle of ultrasonic echo ranging, determines the distance to a target by measuring time lapses between the sending of a pulse and receiving of the echo without contacting. It can be used to detect transparent or non-ferrous objects, metal or non-metallic objects, liquid, solid, powder materials and so on. The unique physical bell-mouth shell of the sensor greatly improves the directivity and stability of its output ultrasound.

Note: the internal probe surface is regarded as the detecting starting point by default. If you take the plane of the bell-mouth as starting point, then the distance will be the detected distance minus 40mm.

ULS Beam Directionalities Diagram

FEATURES

- High Degree of Protection
- Wide Power Supply Range, Low Power Consumption
- High Measuring Accuracy and Resolution
- High-Precision Temperature Output and Temperature Compensation Function
- Varied Output Modes: Serial Port, PWM, Switch

SPECIFICATION

- Supply Voltage: 3.3V~12V
- Operating Current: average current 5mA (based on power supply: 5V; duty cycle: 250ms)
- Center Frequency: 40KHZ
- Blind Zone: 270mm
- Maximum Detection Distance: 8000mm
- Resolution: 1mm
- Operating Temperature: -15°C-60°C • Storage Temperature: -25°C-80°C

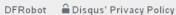
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SHIPPING LIST

- Water-proof Ultrasonic Sensor (ULS) x1
- Screw bag x1
- Connector x1

REVIEW

FAQ







0 Comments



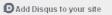


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