

PRODUCT MANUAL

1. Product Information

Product Name: 4 Set JSN-SR04T Integrated Ultrasonic Module Distance Measuring Transducer Sensor Waterproof for Arduino Raspberry Pi

Product Description: 1. Small size, easy to use

2. Low voltage, low power consumption

3. High accuracy. Strong anti-jamming

4. Integrated with wire enclosed waterproof probe, suitable for wet, harsh measurement occasions.

5. Application: Horizontal distance; obstacle avoidance, automatic control; the object approaches, there is a perceived; traffic control; security, industrial control; artificial intelligence, and research

Electrical parameters: JSN-SR04T

Operating voltage: DC 5V

Quiescent current: 5mA

Total current work: 30mA

Acoustic emission frequency: 40kHz

Farthest distance: 4.5m

Blind: 25cm

Wiring: + 5V (positive power supply)

Trig (control side) RX

Echo (the receiver) TX

GND (negative)

Module size: 41mm x 28.5mm

Resolution: about 0.5cm

Angle: less than 50 degrees

The basic working principle:

(1) using IO port TRIG trigger location, to the high level signal of at least 10us;

(2) module automatically sends 8 40KHz Fang Bo, automatic detecting whether a signal return;

(3) a signal return, a high level is output through the IO port ECHO, the time duration of the high level is

ultrasonic from launch to return. The test distance = (high level time x speed of sound (340M/S)) / 2;

This module uses the simple method, a control port with a 10US above high level, can wait for high level output at the receiving port. An output can drive the timer, when this port is low can read the timer value, this time for the location of the time, can be calculated distance. So constantly cycle test, that can achieve the measurement of the value of your mobile.

color:Blue

Material:PCB

Package Contents:

4 Set x JSN-SR04T Ultrasonic Distance Measuring Transducer Sensor Waterproof

Only the above package content, other products are not included.

Note: Light reflection and different displays may cause the color of the item in the picture a little different from the real thing. The measurement allowed error is +/- 1-3cm.

2. MANUFACTURER & EU REPRESENTATIVE INFO

Manufacturer: Nanchang Lindafang E-commerce Co., Ltd, Room 409, Office Building 1, Ligao Binjiang International Garden, No. 1299 Jiangnan Avenue, Xihu District, Nanchang City, Jiangxi Province, China, fokxgzmp6vn@163.com/8613670077431

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3. Safety & Warnings

Warning!

- This product is only for adult use.
- Please keep out of reach of children and pets to avoid accidental injury or ingestion.
- Check if the installation is correct.
- If there is abnormal noise or equipment error after installation, please stop the device immediately.
- Follow all instructions for proper use; Misuse may cause harm.
- Please store in a dry and shady place, away from high temperatures, humidity, and direct sunlight.

4. Instructions for Use

- Before First Use: Ensure the product is free from any damage.
- After Use: Store the product in a dry place and keep away from children.

