

# ***Arduino Distance Measuring Transducer Sensor***

## ***Model: AJ-SR04M***



### **Description:**

AJ-SR04M ultrasonic ranging module is designed by using a waterproof stripline probe integrated with transceiver and receiver and non-contact ultrasonic detection technology. In the range 20cm to 800cm, the product can accurately detect the distance between plane objects, and in the range of 20cm to 250cm, it can accurately measure people.

### **Features:**

1. Small size, easy to use.
2. Low voltage, low power consumption.
3. High accuracy
4. Strong anti-jamming.
5. Integrated with wire enclosed waterproof probe, suitable for wet, harsh measurement occasions.

### **Electrical Parameters:**

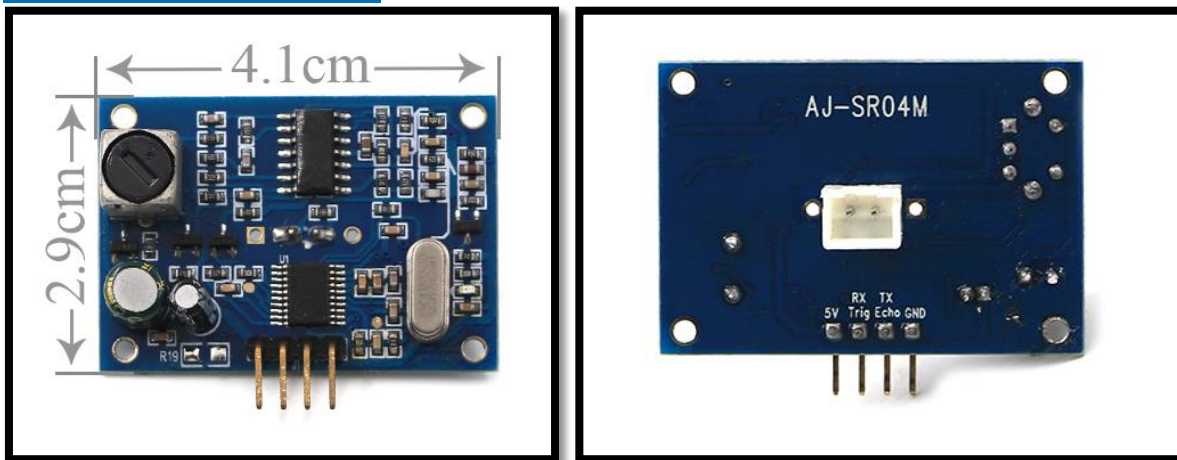
- Module: AJ-SR04M ultrasonic module
- Working Voltage: DC 3-5.5V
- Working Current: 40mA Duration less than 50us
- Standby Current: 2mA
- Low Power Current: Mode 2 current is 40μA, mode 4 and 5 current is 20μA
- Working Frequency: 40KHz
- Furthest Range: 8m
- Recent Range: 20cm
- Measuring Angle: 75 degrees
- Input Trigger Signal: 2:Trig/RX Trigger/Serial Receiver/Switch Enablation  
2:Echo/TX Pulse Width Output/Serial Output/Switch Output
- Output Echo Signal: Output TTL, Serial Port 5 Mode Selection

- Serial Port Output Format: 9600 n 8 1
- Resolution: about 2mm
- Working Temperature:  $-20^{\circ}\text{C} \sim 75^{\circ}\text{C}$
- Storage Temperature:  $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- Status Indicator: LED Indicating Status, One Flash/Switch Output Status
- Size: 41.3x28.5x23mm

### Application:

- 1- Smart car distance measurement, obstacle avoidance.
- 2- Object distance measurement, human height measurement.
- 3- Intelligent traffic control, parking space control.
- 4- Teaching and research, security, industrial control.
- 5- Artificial intelligence, aircraft height measurement, etc...

### More Detailed Photos:



*Made in China*