

## HC-SR04 HCSR04 to world Ultrasonic Wave Detector Ranging Module HC-SR04 HC SR04 Distance Sensor



### ***Product Description:***

1, The performance of this module is stable and precise measure of distance. And comparable foreign SRF05, SRF02 Ultrasonic Ranging Module. Module precision, blind spots (2cm) super close, stable distance measurement is strong based on this product successfully to market! This module is completely modest capacity of GH-311 anti-theft module

Two main technical parameters:

1: Voltage: DC5V 2: Quiescent Current: <2mA

3: level output: the output of the high-5V 4: level: the end of 0V

5: Induction Angle: not more than 15 degrees: detection range: 2cm-450cm

7: High precision: up to 0.3cm

Panel wiring, VCC, trig 's (control side), the echo (receiving end), out (empty feet), GND

Note: TRIP-pin internal pull-up 10K resistor, down TRIP microcontroller IO port pin, and then to a 10us pulse signal.

OUT pin for this module as the switch output pin when the anti-theft module, ranging modules do not use this foot!

Note: The module should be inserted Fortunately, the circuit board re-energized, and avoid the high malfunction, if they have re-energized before they solve.



**This module can be provided ranging program: C51, PIC18F877 microcontroller Yoshitatsu three MCU test reference.**

**3 the module URF04 works:**

- (1) IO trigger ranging to at least 10us high signal;**
- (2) module automatically sends eight 40kHz square wave, automatically detect whether a signal return;**
- (3) a signal to return to a high IO output, high duration of the ultrasonic time from launch to return.**

**Test distance = (time high \* speed of sound (340M / S)) / 2;**

**This product is simple to use, and a Control Port high above a 10US, you can wait for the high output at the receiving port. An output can open the timer can be read when this port goes low timer value for the time ranging be calculated distance. such a continuous cycle of measurement, you move to measure the value we can achieve ~ ~ ~**

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