

ULTRASONIC SENSOR DISTANCE MEASURING MODULE SKU#317

➤ **Purpose:**

It is a distance measuring module.

➤ **Availability:**

Available at digipak.org website at a price of Rs.430.

➤ **Main Technical Parameters:**

1. Voltage : 5V DC
2. Static Current: less than 2mA
3. Level output: high -5V
4. Level output: the end of 0V
5. Sensor Angle : <15 degree.
6. Detection distance: 2cm to 450cm.
7. Highest precision : upto 0.3 cm

➤ **Connections:**

1. VCC
2. Trigger (Control side)
3. Echo (Receiving end)
4. GND



➤ **Usage:**

1. The IO trigger signal should be at least 10us
2. The module automatically sends eight 40kHz square wave, automatically detects whether a signal returns.
3. A signal back, through the IO of high output, high duration is ultrasonic time from launch to return.

Test Distance= (time* high speed of sound (340M/S))/2.