Gravity: URM09 Ultrasonic Sensor (I²C)

DFRobot URM09 is an ultrasonic sensor specifically designed for fast ranging and obstacle avoidance application. Its measuring frequency can reach up to 50Hz. The sensor adopts built-in temperature compensation and I2C communication. There are three measurement ranges designed for programs to select: 150cm, 300cm and 500cm. Please note that shorter range will provide shorter ranging cycle and lower sensitivity. You may need to set it according to your actual use. Besides, the sensor is equipped with on-board LDO, which is able to avoid performance attenuation within power supply range.

SPECIFICATION

Supply Voltage: 3.3~5.5V DC

Operating Current: 20mA

Operating Temperature Range: -10℃～＋70℃

Measurement Range: 2cm～500cm (can be set)

Resolution: 1cm

Accuracy: 1%

Frequency: 50Hz Max

Dimension: 47mm × 22 mm/1.85"× 0.87"