

Ultrasonic

SKU:U098



Description

Ultrasonic is an ultrasonic distance measuring sensor unit, with the capability of simultaneous reception and transmission. The ultrasonic probe has a sound frequency of 40KHz, a direction angle of $\pm 20^\circ$ and an accuracy of 1mm. The internal part is calculated by an RCWL-9600 ultrasonic distance measuring chip, and the measurement results can be directly obtained through I2C interface (0x57). The effective distance is 30 - 150cm.

Product Features

- Split transceiver
- 30 - 150cm distance effectiveness
- Wide angle range
- I2C communication, result output directly

Includes

- 1x Ultrasonic Unit
- 1x Grove Cable(20cm)

Application

- Measuring distance
- Avoid obstacles

Specification

Ranging chip	RCWL-9600
Communication protocol	I2C: 0x57
Measuring distance	30 - 150cm
Sound pressure level of transmitter	108dB
Accuracy	1mm
Blind area	20mm
Receiver sensitivity	-68dB
Net Weight	9g
Gross Weight	23g
Product Size	56*24*12mm
Package Size	60*55*16mm

EasyLoader

EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification.

[Download Windows Version Easyloader](#)

[Download MacOS Version Easyloader](#)



Description:

Measuring distance

PinMap

M5Core(PORT A)	GPIO22	GPIO21	5V	GND
Ultrasonic Unit	SCL	SDA	5V	GND

Related Link

- [Ceramic Ultrasonic Sensor TC40-10T/R](#)

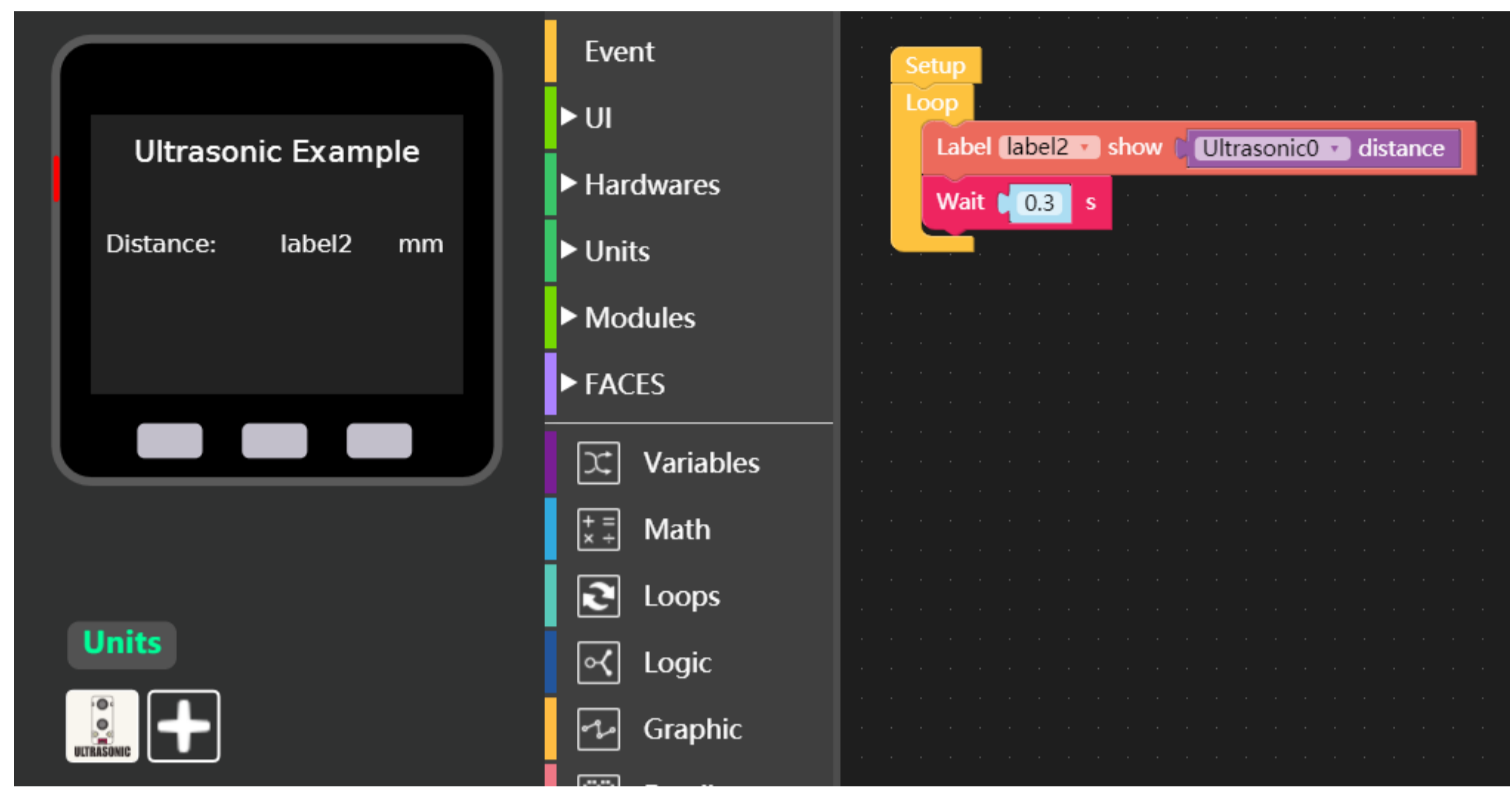
Example

Arduino

- Click [here](#) to download code

UIFlow

- [Click here to download the UIFlow example](#)



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