

The I2C decibel meter module can be connected to any system with a 3.3V power output and I2C bus for communicating with the sound sensor module.

- [Decibel Sensor – Interfacing Guide and Hardware Manual](#)
- Decibel Sensor configuration examples – using sleep, interrupt and other features (coming soon)
- [Decibel Sensor – Programming Guide and I2C Register Map \(includes Spectrum Analyzer registers\)](#)
- [Mounting guide for SMD type decibel sensor module](#)

Example Projects and Source Code


Here are some sample projects and source code to help you get started quickly with our decibel sensor module.

- [Using the dB SPL sensor with Raspberry Pi](#), includes example source **code in C**
- [ESP32 Decibel Logger Demo with ThingsBoard](#), includes ESP32 **Arduino sketch**
- [RP2040 or Pi Pico Sound Level Sensor Demo](#), includes **MicroPython** code
- [Decibel Meter with Arduino UNO and 7-Segment Display](#), includes **Arduino sketch**

See the Module in Action

Watch How2Electronics’ YouTube video using an **ESP32 devkit and OLED display** to show decibel values acquired from our sensor. At 0:40, you can see how the speaker’s properties and the module’s A-weighting affects decibel readings based on the sound frequency being measured.

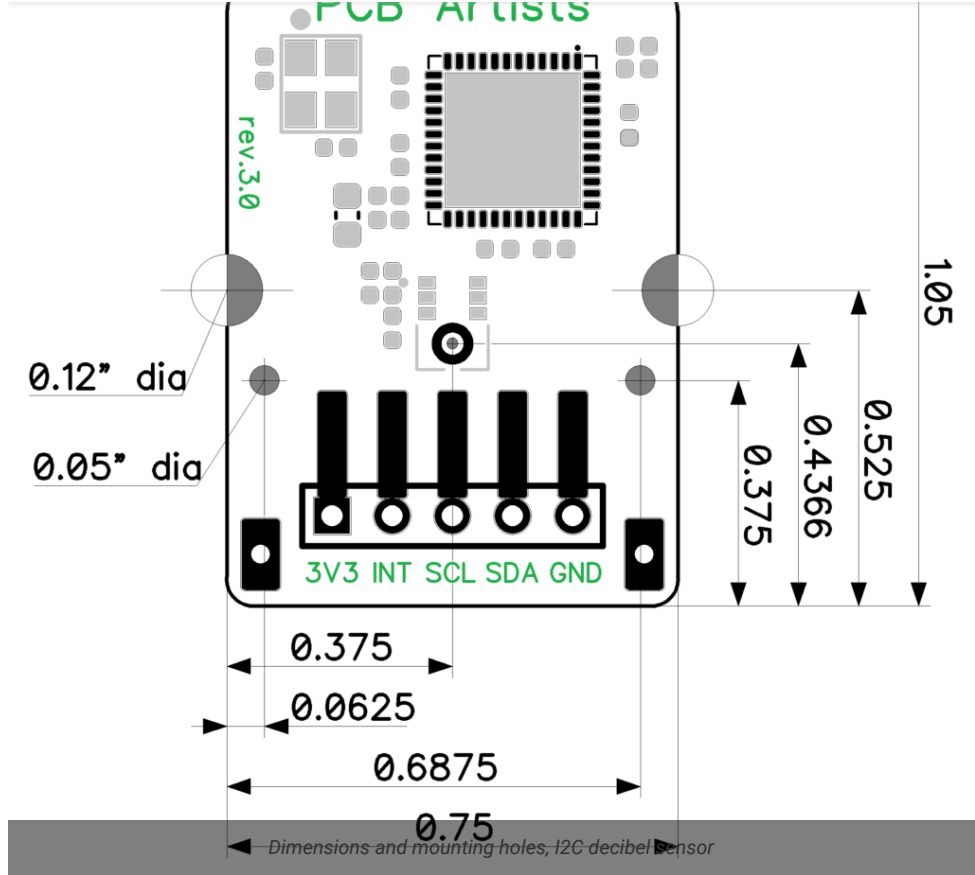
DIY ESP32 Decibel Meter | Professional-Grade Sound Level Measuring Instrument



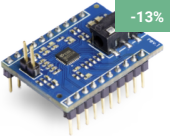
- [Using the decibel meter module with ESP32 + Ubidots](#)

Physical Dimensions

Note that the bottom side of the module has no components to facilitate sticking the module to an enclosure using double-sided adhesive tape. **The sound inlet port of the microphone is located on the bottom side.**



RELATED PRODUCTS

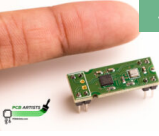


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I2C Methane Sensor Module

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