



The wireless sound sensor is a device that measures the loudness of sound. This device displays the loudness of sound in a unit called decibels (dB). The loudness of sound is proportional to the amplitude of sound. The larger the amplitude, the louder the sound. Sound pressure level are mainly used for noise measurement. Noise measurement is necessary to evaluate the impact of noise on the human body in factories, construction sites, roads, etc.

| Sound Source         | Sound Level(dB) |
|----------------------|-----------------|
| Threshold of pain    | 120             |
| Extremely loud       | 90              |
| Very loud            | 80              |
| Loud                 | 70              |
| Moderately loud      | 60              |
| Soft                 | 50              |
| Very soft            | 40              |
| Extremely soft       | 30              |
| Threshold of hearing | 0               |

It supports both Bluetooth classic mode and low power mode, so it can be used on various smart devices, and can also be connected to a PC via USB.

You can use various functions through the dedicated app (Science#).

\* Download 



## Technical data

|                                   |   |  |
|-----------------------------------|---|--|
| ■ <b>Measurement performance</b>  | Range   | 40 ~ 80 dB<br>60 ~ 100 dB<br>80 ~ 120 dB                                       |
|                                   | Resolution *  | 0.1 dB   |
|                                   | Sampling Rate   | 100 Samples/second   |
| ■ <b>General Conditions</b>       | Display   | OLED 0.96" (128*64 pixel)  |
|                                   | Operating Power   | Li-Poly Rechargeable Battery (700mAh)  |
|                                   | Power Consumption   | 0.4W   |
|                                   | Power Requirements  | USB (DC 5V, 0.5A)  |
|                                   | Battery life **   | Approximately 6 hours(after full charge)                                       |
|                                   | Wireless Connection   | Bluetooth 5.0 or 2.1+EDR   |
|                                   | Wired Connection  | USB 2.0(Type-C)  |
|                                   | Operating Environment                                       | -20 to 60°C, Max. 85%RH  |
| Compliance                        | EN 61326-1, EN 55011, EN 55032, EN 301.<br>CE, RoHS, SMD070 |  |
| ■ <b>Mechanics specifications</b> | Dimension(WxLxH,mm)   | 30 * 50 * 25 mm<br>Body 80 * 50 * 25, Probe OD 15 * 50 (excluding mic sponge)" |
|                                   | Weight  | 74 g (2.6 oz)  |
|                                   | Housing Materials   | PC+ABS, Aluminum alloy   |
|                                   | Housing Protection  | IP30   |

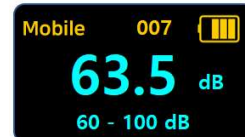
\* This resolution can be viewed through the Science# application.

\*\* Battery life varies by use, configuration, temperature, and many other factors; actual results will vary.

## ■ Product Appearance Design



- The measurement range changes each time you press the button.



## ■ Notices

- This product is to be used for educational purposes only. It is not appropriate for industrial, medical, research, or commercial applications.
- Our products and the contents are subject to change without any notice. In consequence we cannot assume responsibility for any consequential or other damage resulting from the use of this instrument.

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