



Wireless Temperature Sensor measures the temperature of the gas or liquid.

Measures temperature in °C or °F. This wireless sensor consists of a handle and a stainless steel sensor.

The sensing element is located inside the end of the sensor and the diameter of the stainless steel is less than or equal to 4.0 mm.

This sensor can be used in weakly acidic substances or liquids only.

Connect up to 4 sensors simultaneously. It is a high-precision digital temperature sensor. High accuracy digital temperature sensor

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#).



Science#



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## Technical data

| ■ Measurement performance     |   |
|-------------------------------|---|
| Range                         | -40 to 125°C (-40 to 275°F)   |
| Resolution *                  | 0.06°C (Logging using science#)<br>0.1 °C (Display)                             |
| Accuracy<br>(After Sep. 2023) | ±0.1°C (in -25 to 55°C)<br>±0.2°C (in -40 to 100°C)<br>±0.3°C (in -40 to 125°C) |
| Data update interval          | 10 Samples / second   |
| Sampling Rate**               | 100 Hz (Available in Science#)  |

| ■ General Conditions  |   |
|-----------------------|---|
| Display               | OLED 0.96" (128*64 pixel)   |
| Operating Power       | Li-Poly Rechargeable Battery (700mAh)   |
| Power Consumption     | 0.5W  |
| Power Requirements    | USB (DC 5V, 0.5A)   |
| Battery life ***      | Approximately 14 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            | CE : R-R-KDY-WL100T<br>EN 61326-1, EN 55011, EN 55032, EN 301.<br>RoHS 202-SMD070 |

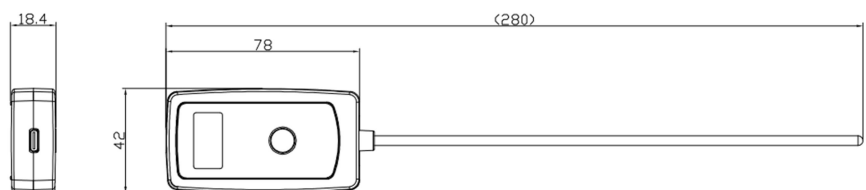
| ■ Mechanics specifications |   |
|----------------------------|---|
| Dimension(WxLxH,mm)        | 280 x 42 x 18.4<br>Body 78 x 42 x 18, Probe OD4 x 200 |
| Weight                     | 56 g (2 oz)   |
| Housing Materials          | PC+ABS, Stainless Steel                               |
| Housing Protection         | IP30  |

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

\*\* The sample rate refers to how often the app records data, which may differ from the sensor's actual update interval.

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

## ■ Product Appearance Design



## ■ 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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