



The Wireless motion sensors use ultrasonic waves to measure the distance between objects. When designing scientific experiments, complex experimental setups can be more easily moved and fixed without the need to connect signal cables. In addition, since the sensor has a display window, the measurement value can be checked immediately, and it can be measured by remotely connecting to a smart device or PC through wireless or wired without an interface.

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#).



Example: speed of a freely falling object.

* Download 



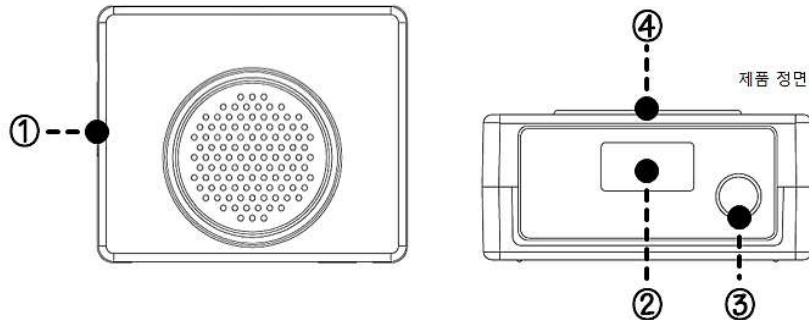
Technical data

■ Measurement performance	Range	0.15 ~ 6.0 m
	Resolution *	0.001m
	Accuracy	±12mm (Max. ±30mm)
	Sampling Rate	100 Samples/second
■ General Conditions	Display	OLED 0.96" (128*64 pixel)
	Operating Power	Li-Poly Rechargeable Battery (2,000mAh)
	Power Consumption	0.5W
	Power Requirements	USB (DC 5V, 0.5A)
	Battery life **	Approximately 22 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. CE, RoHS, SMD070
■ Mechanics specifications	Dimension(WxLxH,mm)	66 * 80 * 36 mm
	Weight	112g (4 oz)
	Housing Materials	"PC+ABS Steel Mesh"
	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



- ① USB port : Used to connect to the USB port of a PC for experiments or to charge the sensor.
- ② Display : Displays the measured sensor value and battery level.
- ③ Power button : Press the button to turn on the power, and press for about 5 seconds to turn off the power.
- ④ Sensor : Where the ultrasonic signal comes out when measuring the distance to an object

■ 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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