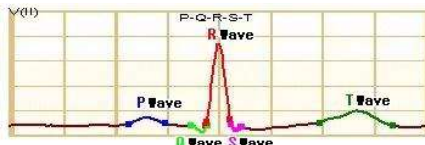




The wireless EKG sensor measures the rhythm signals produced by the heart. When depolarization and repolarization of the heart muscle occur, the electrocardiogram sensor measures the heart rate and displays it on a graph. The sensor also comes with a conductive adhesive patch that can be easily removed.

Electrocardiogram wave form is influenced by electrical activation step which is consist of P, Q, R, S, T.



Example: Electrocardiogram waveform



Use three electrode patches per subject

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



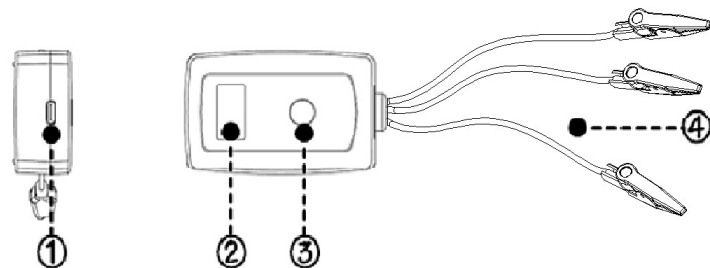
Technical data

■ Measurement performance	Range	0 ~5 mV
	Resolution *	5 uV
	Sampling Rate	100 Samples/second
■ 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 8 hours(after full charge)
	Wireless Connection	Bluetooth 5.0 or 2.1+EDR
	Wired Connection	USB 2.0(Type-C)
	Operating Environment	0 to 40°C, Max. 85%RH
■ Mechanics specifications	Dimension(WxLxH,mm)	80 * 50 * 25 Probe 3-pair 300
	Weight	80 g (2.8 oz)
	Housing Materials	PC+ABS
	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 : Connect the sensor to a PC and use it for experiments or charging.
- ② OLED Display : Displays measured sensor values, sensor type, sensor ID, and remaining battery level.
- ③ Power/Function Button : It has functions such as power ON/OFF, measurement sensor change and calibration, etc.
- ④ Sensing part : Three signal wires connected by clips that secure the conductive patch.

■ 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.

Revised Feb. 2024