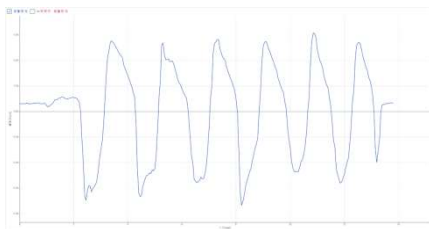





The wireless spirometer is a sensor that measures respiratory volume and breathing cycle in physiological experiments. A spirometer uses pressure differences to measure the speed of air being breathed through an opening and can calculate the user's airflow rate and vital capacity. Results are expressed in liters per second. The spirometer consists of a removable, disposable paper mouthpiece containing a bacterial filter and an orifice connected by tubing to the 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#).



Example : Conduct respiratory experiments

\* Download 



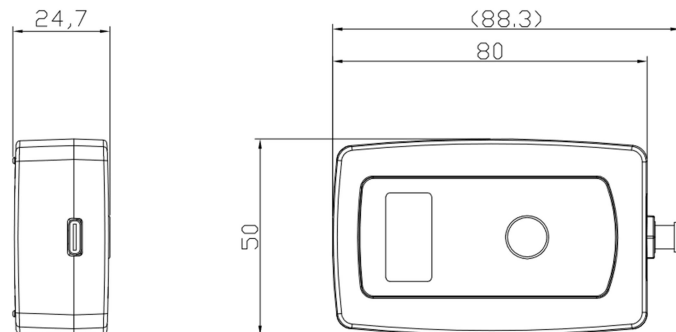
## Technical data

■ <b>Measurement performance</b>	Range	-5 ~ +5 L/s
	Resolution *	0.01 L/s
	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	0.5W
	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 60°C, Max. 85%RH
Compliance	EN 61326-1, EN 55011, EN 55032, EN 301. CE, RoHS, RE202-SMD070	
■ <b>Mechanics specifications</b>	Dimension(WxLxH,mm)	88.3 * 50 * 24.7 mm
	Weight	60 g (2.1 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



## ■ 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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