




The wireless ORP sensor measures the ability of a solution to act as an oxidizing or reducing agent. ORP stands for oxidation-reduction potential also known as Redox Potential. The ORP sensor consists of an ORP electrode and an Wireless Electrode Amplifier (WL114EA). Redox reactions control the behavior of many chemical constituents in drinking water, wastewater, and aquatic environments.

When not using the ORP electrode, clean the electrode with distilled water, remove the water and immerse the electrode in the supplied 3.3M KCL storage container. (It can be stored in standard buffer (buffer) solution of pH 4.0 or 7.0 for a short time of about several hours, but it must be stored in the supplied pH 4.0 / 3.3M KCL solution for long time storage.

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 





ORP Electrode

■ General Conditions	Type	Sealed, gel-filled, epoxy body, Ag/AgCl reference
	Storage solution	pH-4/KCl solution (10 g KCl in 100 mL buffer pH-4 solution)
	Temperature range	0-60°C
	Impedance	~ 20 kΩ at 25°C
	ORP element	99% pure platinum band sealed on a glass stem
	Connection	BNC connector

Technical data

■ Measurement performance	Range	-450 mV to 1100 mV
	Resolution *	0.1 mV
	Sampling Rate	100 Samples/second

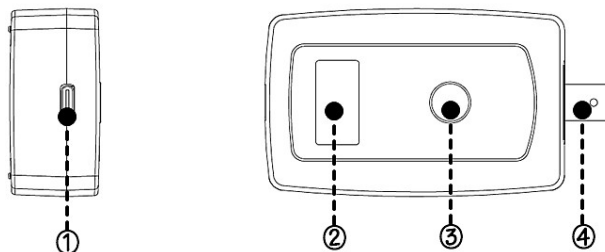
■ General Conditions	Display	OLED 0.96" (128*64 pixel)
	Operating Power	Li-Poly Rechargeable Battery (700mAh)
	Power Consumption	0.5W
	Power Requirements	USB (DC 5V, 0.5A)
	Battery life **	Approximately 8 hours(after full charge)
	Wireless Connection	Bluetooth 5.0 or 2.1+EDR
	Wired Connection	USB 2.0(Type-C)
	Operating Environment	0 to 60°C, Max. 85%RH
	Compliance	EN 61326-1, EN 55011, EN 55032, EN 301.   202-SMD070

■ Mechanics specifications	Dimension(WxLxH,mm)	92.3 * 50 * 24.7 mm
	Weight	68 g (2.4 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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