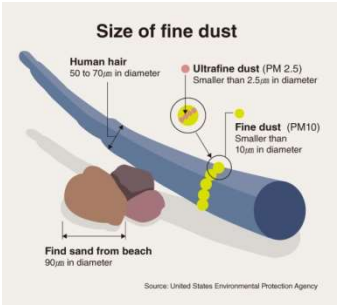
ScienceCube
www.sciencecube.com

Wireless Fine Particles

ORDER CODE : WL115PM

The wireless fine particles(dust) sensor is measures the concentration of fine dust in the air. Measures fine dust (PM10) and ultrafine dust (PM2.5) simultaneously.

Fine dust concentration can be measured more accurately by using a light scattering method that uses a signal that scatters the physical properties of light through a laser light source. The fine dust concentration measured in this way is expressed as ㎍/㎥, which means the weight of fine dust (㎍, meaning 1/1 millionth of a gram) contained in 1 ㎥ of air.



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 Science#

GET IN ON Google Play

Download on the App Store

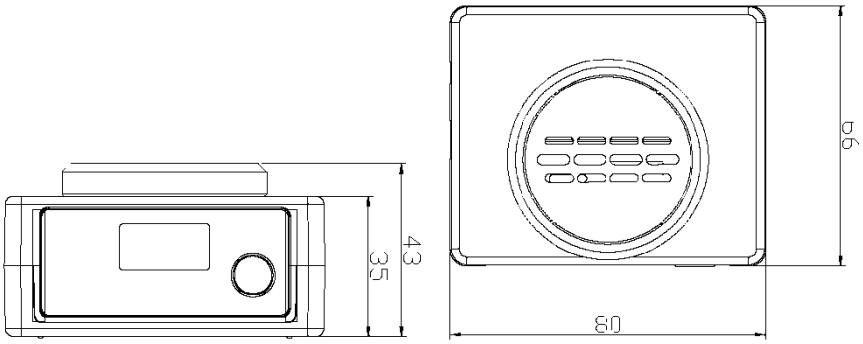
Technical data

■ ***Measurement performance***	Range	PM2.5 : 0 ~ 500 ug/m^3 PM10 : 0 ~ 500 ug/m^3
	Resolution *	1 ug/m^3
	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 6 hours(after full charge)
	Wireless Connection	Bluetooth 5.0 or 2.1+EDR
	Wired Connection	USB 2.0(Type-C)
	Operating Environment	10 ~ 40℃, ~85%RH
	Compliance	EN 61326-1, EN 55011, EN 55032, EN 301. ㊫ ㊋202-SMD070
■ ***Mechanics specifications***	Dimension(WxLxH,mm)	66 * 80 * 42 mm
	Weight	116 g (4.1 oz)
	Housing Materials	PC+ABS, Aluminium alloy
	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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For more information, visit www.koreadigital.com or contact us at info@koreadigital.com