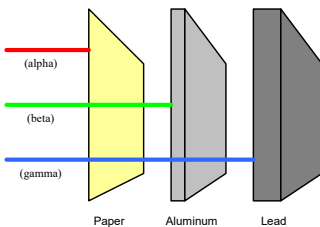




The wireless radiation sensors instrument for the detection and quantitative determination of ionizing radiation such as the alpha and beta rays given off by radioactive minerals and cosmic rays. The ScienceCube radiation sensor uses a Geiger-Müller(GM) tube. The GM counter detects low level beta and gamma radiation. It is possible to detect background radiation, as well as low level radiation, emitted by radioactive sources, like potassium fertilizers or a gas lantern mantle. There are three forms of energy associated with radioactivity; alpha, beta and gamma radiation.



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 ~ 20,000 CPM 0 ~ 20 mR/hr (0 ~ 200 uSv/hr)
	Resolution *	1 CPM
	Sampling Rate	100 Samples/second
■ General Conditions	Display	OLED 0.96" (128*64 pixel)
	Operating Power	Li-Poly Rechargeable Battery (700mAh)
	Power Consumption	0.4W
	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	0 to 50°C, Max. 85%RH
■ Mechanics specifications	Compliance	EN 61326-1, EN 55011, EN 55032, EN 301. CE, RoHS, RE202-SMD070
	Dimension(WxLxH,mm)	139 * 50 * 25 mm Probe OD22 * 59
■ G-M Tube Specifications	Weight	83 g(2.9 oz)
	Housing Materials	PC+ABS, POM
	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.

■ G-M Tube Specifications

Fill Gas	Ne / Ar + Halogen quenched GM-tube
Cathode	446 Stainless Steel
Recommended Operating Voltage	500 volts
Operating Voltage	450 ~ 650 volts
Minimum Dead Time	90 uS
Cathode Wall Thickness	0.25 mm
Mica Window Areal Density	1.5-2.0 mg/cm ²
Effective Window Diameter	9 mm
Gamma Sensitivity (Cs137)	18 cps, 1000 CPM, 1 mR/hr
Max. Background Shielded	50 mmpB = 3 mAl (cpm) 10

■ 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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