ScienceCube
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Wireless Magnetic Field

ORDER CODE : WL108MG

The wireless magnetic field sensor measures the strength of the magnetic field in front of the sensor. You can perform experiments to prove the strength of the magnetic field in solenoid coils and Helmholtz coils, Fleming's and Lorenz's laws, and easily change the X, Y, and Z-axis measurement ranges (50G, 2,000G).

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: Making an electromagnet

* Download Science#

GET IT ON Google Play

Download on the App Store

Technical data

■ ***Measurement performance***	Range	XYZ : ±50 G, ±2,000 G
	Resolution *	50 G : 0.01G 2,000 G : 1 G
	Sampling Rate	100 Samples/second
■ ***General Conditions***	Display	OLED 0.96" (128*64 pixel)
	Operating Power	Li-Poly Rechargeable Battery (700mAh)
	Power Requirements	USB (DC 5V, 0.5A)
	Battery life **	Approximately 12 hours(after full charge)
	Wireless Connection	Bluetooth 5.0 or 2.1+EDR
	Wired Connection	USB 2.0(Type-C)
	Operating Environment	-20 to 60°C, Max. 85%RH
	Compliance	EN 61326-1, EN 55011, EN 55032, EN 301. ㊣ R202-SMD070
■ ***Mechanics specifications***	Dimension(WxLxH,mm)	"214 * 50 * 24.7 mm Body 80 * 50 * 24.7, Electrode SQ10 * 135"
	Weight	78 g (2.6 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.

■ ***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