ScienceCube
www.sciencecube.com

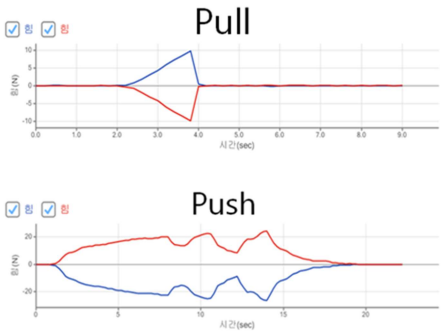
Wireless Force/Acceleration

ORDER CODE : WL105F

Wireless Force Sensor measures the weight and force. Unlike conventional force sensors, it measures the force and the magnitude of the gravitational acceleration on each of the X, Y, and Z axis. It can be widely used for acceleration, shock, vibration and inclination measurement as well. This product is wireless, so you can use it easily in complex experiment environment because you don't need a connecting cable separately,

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: Action reaction

* Download Science#

GET IT ON Google Play

Download on the App Store

Technical data

■ ***Measurement performance***	Range	-80 ~ +80 N -16 ~ +16 g(XYZ)
	Resolution *	0.01 N, 0,01 *g* (Logging using *science#*) 0.1 N (Display)
	Accuracy	±0.5 N (Max. 0.8 N) ±0.08 g(Max. ±0.16 g)
	Sampling Rate	100 Samples/second 1,000 SPS (@USB)

■ ***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 13 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. ㉾ ㊋202-SMD070

■ ***Mechanics specifications***	Dimension(WxLxH,mm)	110 * 74 * 21 mm Body 89 * 74 * 21
	Weight	135g (4.8 oz)
	Housing Materials	PC+ABS
	Housing Protection	IP30

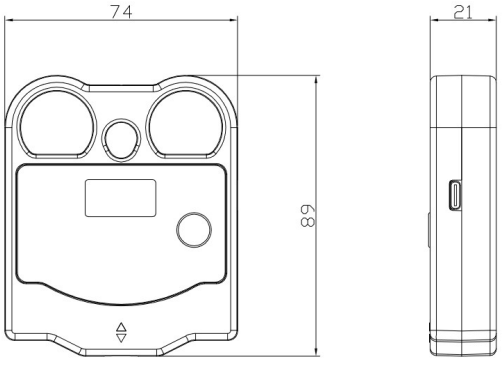
* This resolution can be viewed through the Science# application.

** Battery life varies by use, configuration, temperature, and many other factors; actual results will vary.

■ *Accessory*

- Rubber Bumper
- Hook

■ *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