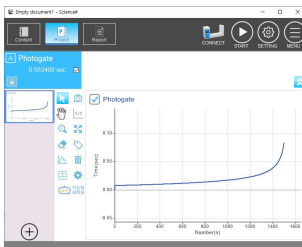




The wireless photogates measure the event times of objects passing between the gates. There are two internal gates for measuring time or instantaneous speed, and sequential measurements are possible by connecting other photogates in succession in a daisy chain.

There is a separate external gate, so it is possible to detect large objects by connecting an external light source or another photogate. The inner gate detects objects passing between the photogate arms, and the outer gate detects objects passing outside the photogate arms. Photogates can be daisy-chained, with up to five per channel.



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 ~ 100 sec
	Resolution *	10 us (display digit : 1 ms)
	Gate width & interval	80 mm, 20 mm
	Rising/falling time	2.5/3.8 uS
	Sampling Rate	Timing event based
■ 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	-20 to 60°C, Max. 85%RH
Compliance	EN 61326-1, EN 55011, EN 55032, EN 301. ☞ R202-SMD070	
■ Mechanics specifications	Dimension(WxLxH,mm)	183 * 38 * 71 mm
	Weight	110g (3.8 oz)
	Housing Materials	PC+ABS
	Housing Protection	IP30

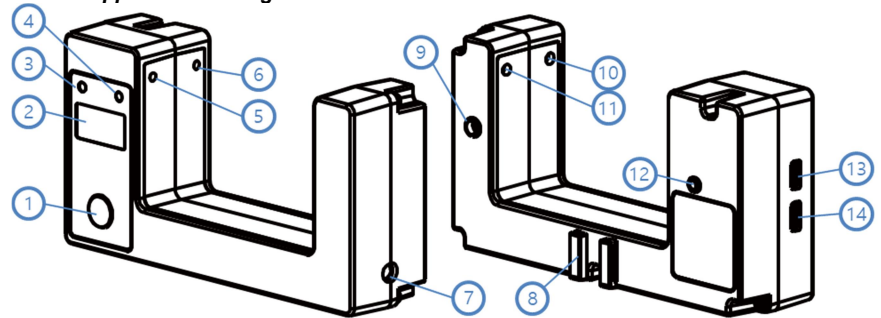
* This resolution can be viewed through the Science# application.

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

■ The following accessories are additionally available (Not included):

- Pulley
- Connection cable for daisy chain (USB-C to USB-C)

■ Product Appearance Design



- | | |
|-----------------------------------|--------------------------------------|
| ① Power and gate switching button | ⑧ Pulley fixing guide |
| ② OLED Display | ⑨ External gate light emitting unit |
| ③ Gate #1 detection LED | ⑩ Gate #1 light emitting unit |
| ④ Gate #2 detection LED | ⑪ Gate #2 light emitting unit |
| ⑤ Gate #1 light receiving unit | ⑫ External gate light receiving unit |
| ⑥ Gate #2 light receiving unit | ⑬ Sensor expansion port |
| ⑦ Fixing nut hole | ⑭ USB port |

■ 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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