

Pocket-sized Light Intensity Recorder

DEFI2-L



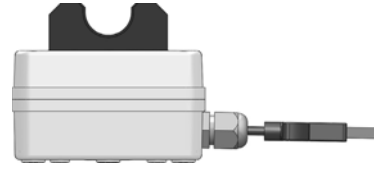
Compact, high accuracy, and easy infrared communication.



- Infrared communication
- Flashing LED light for activation check
- USB connection to PC (via interface unit)
- Powered by commercial AAA batteries
- Data logging: 9.9 days at 1sec int., 595 days at 1 min int.



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Sensor Specifications

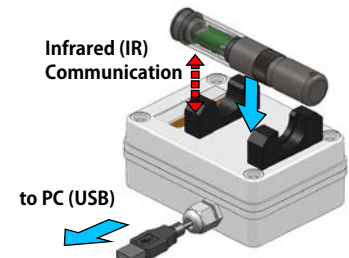
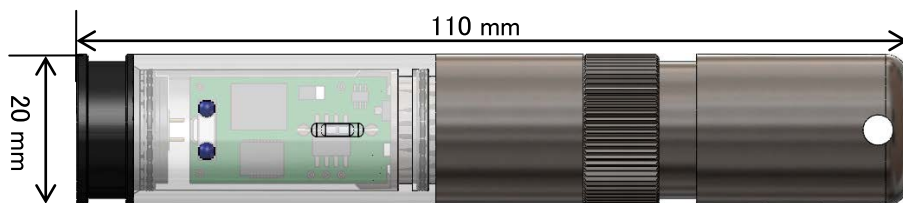
Model	DEFI2-L
Parameter	Photon flux density
Principle	Photodiode
Range	0~5000 $\mu\text{mol m}^{-2} \text{s}^{-1}$
Resolution	0.2 $\mu\text{mol m}^{-2} \text{s}^{-1}$
Accuracy	$\pm 4.0\%$ F.S. (0~2000 $\mu\text{mol m}^{-2} \text{s}^{-1}$)
Depth rating	500 m depth equivalent

Logger Specifications

Communication	Infrared to Interface Unit
Output/ transfer time	RS-232C, 115,200 bps / Approx. 22 minutes (fully recorded)
Memory medium	Internally installed flash memory 8 MB
No. of samples	Approx. 820,000 samples
A/D converter	16 bit
Measuring mode	Continuous
Measuring interval	1 to 59 s, 1 to 60 min

Power / Dimensions

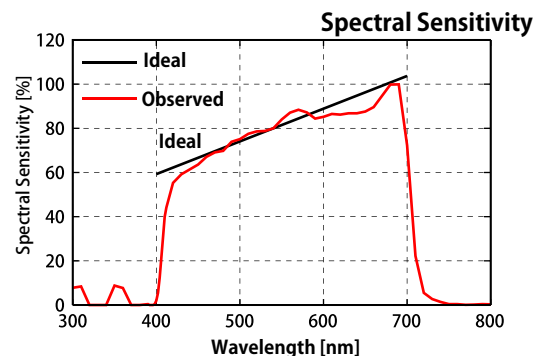
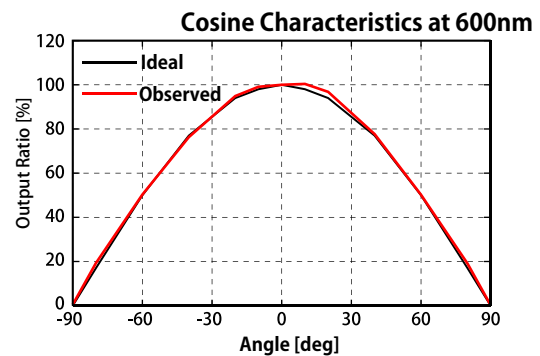
Power source	AAA alkaline battery
Consumption	Approx. 30 mA (while logging)
Material	Body: Titanium (grade 2) Window: Polycarbonate
Weight	in air 94 g, in water 61 g (including battery)
Dimensions	$\Phi 20 \text{ mm} \times 110 \text{ mm}$



Interface Unit Specifications

Model	DEFI-IF
Communication	USB to PC (Ver2.0) / Infrared to instrument
Power	USB bus power
Operation temperature	-3 to 45 °C (no condensation)
Material	ABS resin, Acrylic resin
Dimensions	W110 mm \times H66 mm \times D80 mm (without cable)
Weight	225 g

* Interface Unit is required for communication.



※ All specifications on this brochure are subject to change without notice.



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