

Pocket-Size Temperature Logger



Overview

The DEFI2-T is a high-precision water temperature logger designed for long-term continuous monitoring. It is a memory-type device capable of continuous observation for up to approximately 573 days at 1-minute intervals. Due to its compact size, it can be used not only for standard installation monitoring but also for measuring vertical distribution variations through the deployment of multiple units.

Sensor Specifications

Model	DEFI2-T
Parameter	Temperature
Sensor Type	Thermistor
Range	-3 to 45°C
Resolution	0.001°C
Accuracy	±0.01°C (0 to 35°C)
Response Time	12 sec (90% response standard value)
Pressure Resistance	Equivalent to 2,000 m depth
Weight	Approx. 99 g in air / Approx. 65 g in water (including battery)
Dimensions	¢ 20 mm × 110 mm

Pocket-Size PAR Logger DEFI2-

DEFI2-T S/N 0000000

Overview

Sensor Specifications

DEFI2-L Quantum of Light

Photodiode

0.2 µmol/(m²·s)

0 to 5,000 µmol/(m²·s)

Equivalent to 500 m depth

φ20 mm × 110 mm

±4.0% FS (0 to 2,000 $\mu mol/(m^2 \cdot s))$

0.007 sec (90% response standard value)

Approx. 94 g in air / Approx. 61 g in water (including battery)

Model

Range

Parameter

Sensor Type

Resolution

Response Time

Pressure Resistance

The DEFI2-L is a high-precision quantum sensor designed for long-term continuous monitoring. It is a memory-type device capable of continuous observation for up to approximately 573 days at 1-minute intervals. The quantum sensor employs a cosine-type sensor, which excels in spectral sensitivity specification. *For underwater quantum measurements, it is recommended to simultaneously measure the quantum of light in the air.



Sensor Characteristics



500

600

Wavelength [nm]

700

800

400



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