

Pocket-size conductivity and temperature recorder

DEFI2-CT



Compact, high accuracy, and easy infrared communication



- Non-opening infrared communication
- Flashing LED light for activation check
- USB connection to PC (via interface unit)
- Powered by commercial AA batteries
- Data logging: approx. 30 days at 1 min int.



JFE Advantech Co., Ltd.

Sensor Specifications

Model	DEFI2-CT	
Parameter	Temperature	Conductivity
Principle	Thermistor	Electrode
Range	-3 to 45 °C	2 to 70 mS cm ⁻¹
Accuracy	±0.05 °C ※ ¹	±0.05 mS cm ⁻¹ ※ ²
Response time※ ³	10 s (63%)	1 s (63%)
Depth rating	200 m depth equivalent	

※¹ from 3 to 31 °C※² from 20 to 50 mS cm⁻¹※³ at 25 °C, typical**Logger Specifications**

Communication	Infrared to Interface Unit
Output / transfer time	RS-232C, 115200 bps / Approx. 22 minutes (fully recorded)
Memory medium	Internally installed flash memory 8 MB
No. of samples	Approx. 500000 samples
A/D converter	16 bit
Measuring mode	Continuous
Measuring interval	1 to 59 s, 1 to 60 min

Power / Dimensions

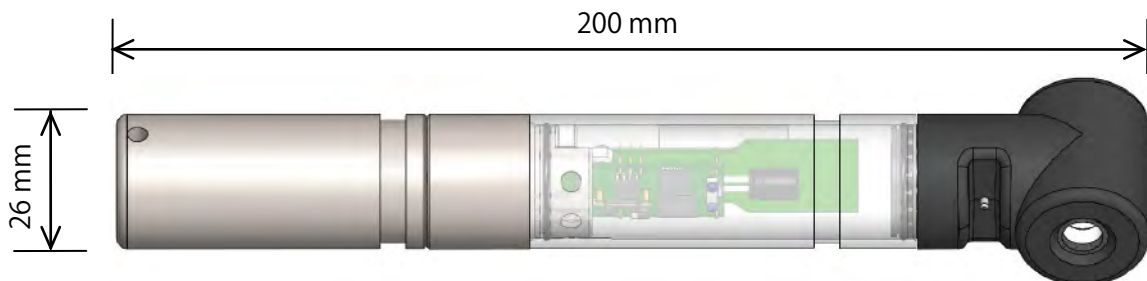
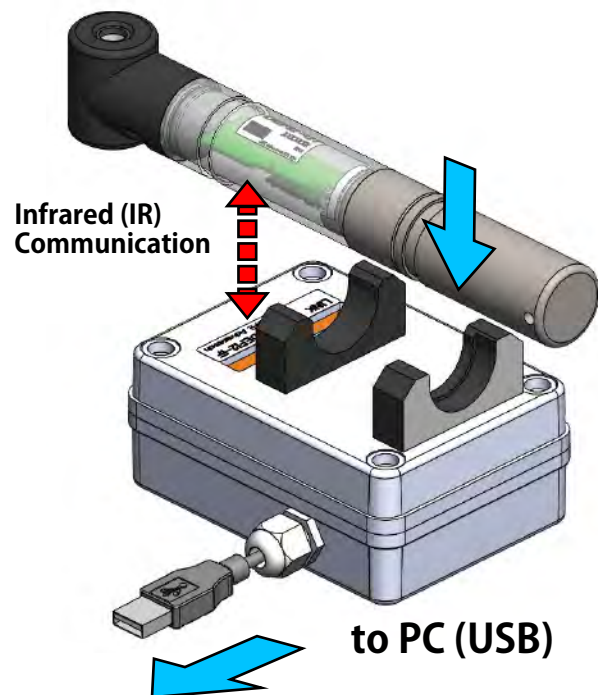
Power Source	AA Alkaline battery
Consumption	Approx. 80 mA (while logging)
Material	Body: Titanium (grade 2) Window: Polycarbonate
Weight	195 g in air / 88 g in water
Dimensions	Φ26 mm × 200 mm

Interface Unit Specifications

Model	DEFI2-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 × H68 mm × D80 mm (without cable)
Weight	225 g

* Interface Unit is required for communication.

** Previous model (DEFI-IF) unit need to be modified for DEFI2-CT. Please contact us for more information.



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

**JFE Advantech Co., Ltd.**

Ocean & River Instruments Division

URL: <http://www.jfe-advantech.co.jp/>

Head Office

3-48 Takahata cho, Nishinomiya, Hyogo 663-8202

TEL. +81-798-66-1783

FAX. +81-798-66-1654

Tokyo Head Office

JFE Kuramae Bldg. 2F, 2-17-4 Kuramae, Taito ku, Tokyo 111-0051

TEL. +81-3-5825-5589

FAX. +81-3-5825-5591