

Pocket-Size Conductivity and Temperature Recorder

DEFI2-CT

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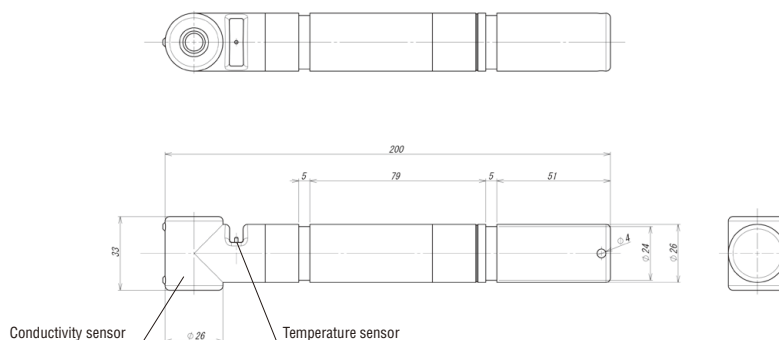
Overview

The DEFI2-CT is a logger-type temperature and salinity meter designed for long-term continuous observation (up to approximately 35 days of continuous observation at 1-minute intervals). In addition to standard installation observations, it can measure salinity stratification variations through the use of multiple moorings.

Sensor Specifications

Model	DEFI2-CT	
Parameter	Temperature	Electrical Conductivity
Sensor Type	Thermistor	7-Electrode
Range	-3 to 45°C	2 to 70 mS cm ⁻¹
Resolution	0.001°C	0.001 mS cm ⁻¹
Accuracy	±0.05°C (3 to 31°C)	±0.05 mS cm ⁻¹ (20 to 50 mS cm ⁻¹)
Response Time (63% response typ)	10 sec	1 sec
Pressure Resistance	Equivalent to 200 m depth	
Weight	Approx. 220 g in air / Approx. 114 g in water (including battery)	
Dimensions	Ø26 mm × 200 mm (excluding protrusions)	

Drawing



Digital Conductivity and Temperature Sensor

ACTf-CAD

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Sensor Specifications

Model	ACTf-CAD		
Parameter	Temperature	Electrical Conductivity	Salinity
Sensor Type	Thermistor	7-Electrode Type	Practical Salinity
Range	-3 to 45°C	2 to 70 mS cm ⁻¹	2 to 42
Resolution	0.01°C	0.01 mS cm ⁻¹	0.01
Accuracy	±0.05°C (3 to 31°C)	±0.05 mS cm ⁻¹ (20 to 50 mS cm ⁻¹)	—
Pressure Resistance	Equivalent to 100 m depth		
Weight	Approx. 1 kg (including 10 m cable)		
Dimensions	Ø27.2 mm × 240 mm (excluding protrusions)		

Communication Specifications

Communication Cycle	1 sec or more
Preheat Time	1 sec
Power Supply	DC 12 to 24 V
Current Consumption	40 mA during measurement (using standard 10 m cable, with DC 12 V supply)