NDB-IT

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NDB-IT is designed to track currents and measure temperature* of currents. Compact size, light-weight and easy to handle. Possible for current following or moored observation.

NDB-IT transmits GPS signal and temperature data, you receive them by e-mail, a communication system through the Satellite IRIDIUM. NDB-IT is ideal for long term observation. It is reusable and durable, equipped solar-charger battery.   *Option: Thermistor-chain

Components   *Option

◎ Drifting Buoy NDB-IT ・・・・・ A subscription to IRIDIUM (SBD) is required.
○ Sensor Thermistor-chain * ・・ Please appoint the number, the placement of sensors.
○ Drogue *   ・・・・・・ Holey-sock type, with a sub float, ropes and swivels.

Specification / Performance   *Option

Buoy	World geodetic system	WGS-84
	Tolerance of position data	± 50 m
	Data communication	IRIDIUM
	Transmission	at 10 min interval or on the selected hours (1 to 24) (set by e-mail)
	E-mail payee	1 to 5 address
	Dimensions	OD 315 mm x H 430 mm
	Weight (in air)	Approx. 6.5 kg
	Buoyancy	Approx. 80 N (8 kgf)
	Breaking water depth	5 msw
Sensor *	Range	-10 to 85˚C
	Accuracy	±0.1˚C (-5 to +35˚C)
	Weight (in water)	Approx. 3 N (0.3 kgf)
	Number of sensors	1 to 3
Drogue *	Type	Holey-sock
	Dimensions	OD 0.94 m x H 2 m

Thermistor-chain

Drogue

Data Format (CSV)

①	②	③	④	⑤	⑥	⑦	⑧
2007/11/15 08:00	17.41	17.23	16.45	+18.07971	+126.11526	7.02	6.36

①UTC, GPS data acquired   ②Temp. (˚C) of layer 1   ③Temp.(˚C) of layer 2   ④Temp.(˚C) of layer 3
⑤Latitude (degree)   ⑥Longitude (degree)   ⑦Solar module Voltage (V)   ⑧Battery Voltage (V)