

StarmonTD

**Robust temperature
& depth data logger
for demanding
environments**



ADVANTAGES AT A GLANCE

- Fast and accurate
- Compact and durable
- Long life, replaceable battery
- Large memory

APPLICATIONS

- Fishing gear
- Tidal waves
- Moorings

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STAR : ODDI

Logging Life Science

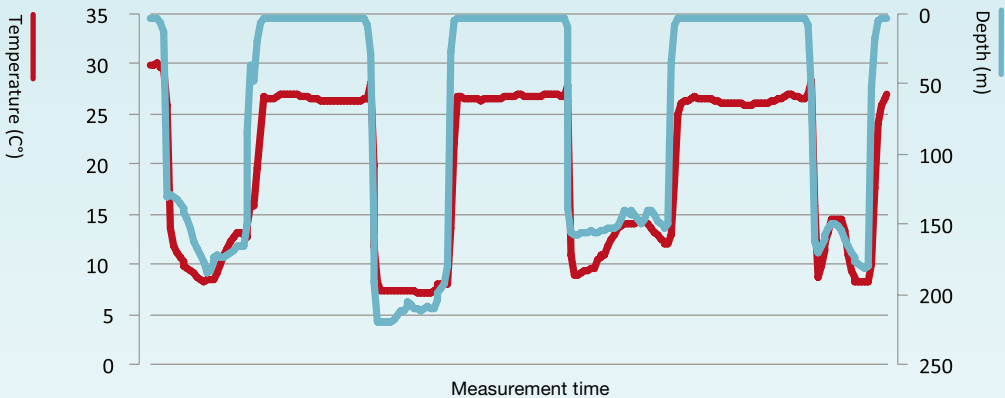
Compact and durable – This temperature and depth logger is designed to withstand harsh conditions and long-term deployment subsea. The logger is durable with its robust and non-corrosive titanium housing, easy to attach to gear.

Fast and accurate – Temperature sensor has fast response of 2 seconds and immediate depth response. Depth accuracy is better than $\pm 0.3\%$ of full range and temperature accuracy $\pm 0.025^{\circ}\text{C}$. Sampling intervals are user programmable down to 20 times per second.

Long life – The replaceable battery typically has long life over 10 years. Actual lifetime depends on sampling interval used and frequency of use.

Large memory – Starmon TD has a large memory size of 8.4 million recordings per sensor.

Individually calibrated – A calibration certificate is delivered with each instrument.



Technical specifications

Housing material	Titanium
Temperature range	-2°C to $+40^{\circ}\text{C}$ (28°F to 104°F). Extended calibration available
Temperature resolution	0.002°C (0.004°F)
Temperature accuracy	$\pm 0.025^{\circ}\text{C}$ (0.045°F)
Temperature response time	2 seconds time constant (63% of full value)
Depth range	50m, 100m, 200m, 500m, 1000m, 2000m
Depth resolution	0.01% FS (Full Scale) of selected range
Depth accuracy	Better than $\pm 0.3\%$ of selected range
Memory capacity	8.4 million measurements per sensor with date & time
Sampling interval	User programmable in milliseconds, seconds, minutes or hours
Accessories needed	SeaStar application software and standard USB cable
Data logger size	Length 197 mm x diameter 40 mm
Weight	610g in air / 388g in water
Battery life	>10 years*

*For sampling interval of 5 min. Battery is replaceable. Specifications may change without notice.