

Temp-Depth Starmon TD

For profiling and long term

Advantages at glance

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

Applications

- Fishing gear
- Tidal waves
- Moorings

STAR : ODDI

Logging Life Science

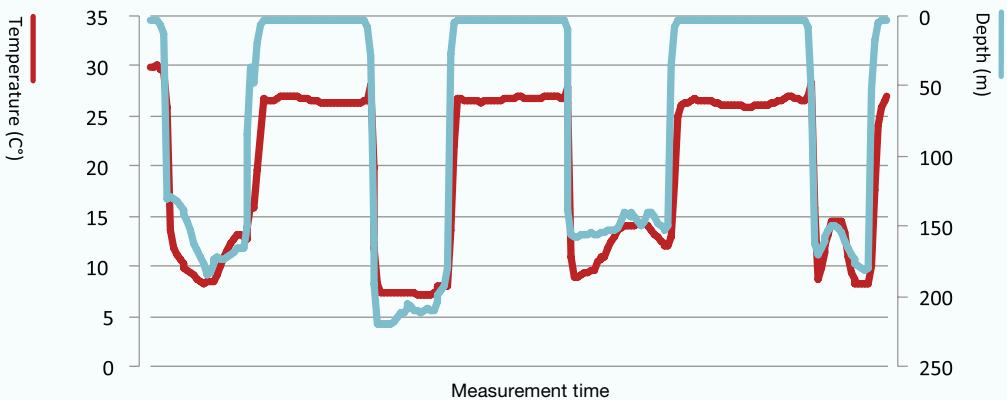
Compact and durable This temperature and depth logger is designed to withstand harsh conditions and long-term deployment subsea. The logger is durable with its robust and non-corrosive titanium housing, easy to attach to gear.

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	$\pm 0.025^\circ\text{C}$ ($\pm 0.045^\circ\text{F}$)
Temperature response time	2 seconds time constant (63% of full value)
Depth range	50m, 100m, 200m, 500m, 1000m, 2000m, 4000m
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	608g in air / 388g in water
Battery life	10 years*

*For sampling interval of 2 min. Battery is replaceable. Specifications may change without notice.