

STAR : ODDI

Starmon TD

Robust Temperature and Depth Recorder – for ocean research

Self-contained, accurate and reliable temperature-depth data logger.

Durable, long life with large memory size and replaceable long life battery.

Ideal for recording subsea gear movements, fishing depth data and water level monitoring. Fits both for profiling and long-term research. For use in demanding environments.



Key features

- Compact, robust and durable
- Long life replaceable battery
- Large memory size
- Accurate and fast sensor response
- Easy to attach to underwater gear

Required accessories

Standard USB cable

SeaStar Windows software

Optional: Stainless steel protective housing

Various depth/pressure ranges

Choose a calibration range up to:

50 m, 100 m, 200 m, 500 m,

1000 m, 2000 m or 4000 m

Contact Us

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TECHNICAL SPECIFICATIONS

Sensors	Temperature and pressure (depth)
Size (Diameter x Length)	40 mm x 197 mm
Housing Material	Titanium
Weight	608 g in air
Data Resolution	15 bit
Temperature Range	-2°C to +40°C (28°F to 104°F)
Extended Calibration Option	Up to 65°C
Temperature Resolution	0.002°C (0.004°F)
Temperature Accuracy	+/-0.025°C (+/-0.045°F)
Temperature Response Time	2 second time constant (63% of full value)
Standard Depth Ranges	50m, 100m, 200m, 500m, 1000m, 2000m, 4000m
Depth Resolution	0.005% of FS (Full Scale). Precision or relative accuracy is +/- 0.016% of FS. For example the precision is 8 mm for 50 m range.
Depth Accuracy	Better than +/-0.3% FS
Depth Response Time	Immediate
Pressure Range	5 bar, 10 bar, 20 bar, 50 bar, 100 bar, 200 bar, 400 bar
Pressure Tolerance	Depends on pressure sensor selected. 5 bar, 10 bar, 20 bar and 50 bar: 100% higher than full scale calibration range. 100 bar, 200 bar, 400 bar: 50% higher than full scale calibration.
Memory Type	FLASH

Memory Capacity	8.4 million measurements per sensor with date & time
Sampling Interval	User specified in second(s) minute(s), or hour(s)
Minimum Measuring Interval	1 second
Burst Measuring Option	5Hz, 10Hz, 20Hz
Multiple Intervals Option	Up to 7 different intervals
Data Retention	20 years
Clock	Real time clock. Accuracy +/-1 min/month.
Communications	Standard USB cable, plugs directly from instrument to PC.
Attachment Hole	6 mm, Plus two slots for strapping the logger, each 12 mm wide and 0.8mm deep.
Computer Interface	USB
Battery Life	12 years*
Replaceable Battery	Yes

*For sampling interval of 1 min.

Warranty: 12 months.

Specifications may change without notice.