

# Starmon TD

## Robust Temperature and Depth Recorder

**Fast response, accurate and reliable. Durable, long life with large memory. Shallow to deep ocean.**

Ideal for tidal waves, water level monitoring and fishing gear research.



### Key features

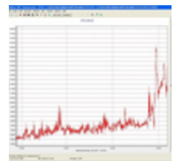
- Compact and durable
- Fast and accurate
- Long life replaceable battery
- Large memory
- Easy to mount on gear

### Required accessories

USB cable, SeaStar Windows software.

### Optional accessories

Stainless steel housing, Curved housing, Curved and Flat housing.



# Technical specifications

|                                     |                                                                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensors</b>                      | Temperature and pressure (depth)                                                                                                                                                                  |
| <b>Size (Diameter x Length)</b>     | 40 mm x 197 mm                                                                                                                                                                                    |
| <b>Housing Material</b>             | Titanium                                                                                                                                                                                          |
| <b>Weight</b>                       | 608 g in air                                                                                                                                                                                      |
| <b>Temperature Range</b>            | -2°C to +40°C (28°F to 104°F)                                                                                                                                                                     |
| <b>Extended Calibration Option</b>  | Up to 65°C                                                                                                                                                                                        |
| <b>Temperature Resolution</b>       | 0.002°C (0.004°F)                                                                                                                                                                                 |
| <b>Temperature Accuracy</b>         | +/-0.025°C (+/-0.045°F)                                                                                                                                                                           |
| <b>Temperature Response Time</b>    | 2 second time constant (63% of full value)                                                                                                                                                        |
| <b>Standard Depth Ranges</b>        | 50m, 100m, 200m, 500m, 1000m, 2000m, 4000m, 6000m<br>(calibration is to 4500m but measures to 6000m)                                                                                              |
| <b>Depth Resolution</b>             | 0.005% of FS (Full Scale)                                                                                                                                                                         |
| <b>Depth Accuracy</b>               | Better than +/-0.3% FS                                                                                                                                                                            |
| <b>Depth Response Time</b>          | Immediate                                                                                                                                                                                         |
| <b>Pressure Range</b>               | 5 bar, 10 bar, 20 bar, 50 bar, 100 bar, 200 bar, 400 bar, 600 bar                                                                                                                                 |
| <b>Pressure Tolerance</b>           | 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, 600 bar: 50% higher than full scale calibration. |
| <b>Memory Type</b>                  | FLASH                                                                                                                                                                                             |
| <b>Memory Capacity</b>              | 8.4 million measurements per sensor with date & time                                                                                                                                              |
| <b>Measurement Interval</b>         | User specified in second(s) minute(s), or hour(s)                                                                                                                                                 |
| <b>Minimum Measurement Interval</b> | 1 second                                                                                                                                                                                          |
| <b>Burst Measuring Option</b>       | 5Hz, 10Hz, 20Hz                                                                                                                                                                                   |
| <b>Multiple Intervals Option</b>    | Up to 7 different intervals                                                                                                                                                                       |
| <b>Data Retention</b>               | 20 years                                                                                                                                                                                          |
| <b>Clock</b>                        | Real time clock. Accuracy +/-1 min/month.                                                                                                                                                         |
| <b>Communications</b>               | Standard USB cable, plugs directly from instrument to PC.                                                                                                                                         |
| <b>Attachment Hole</b>              | 6 mm, Plus two slots for strapping the logger, each 12 mm wide and 0.8mm deep.                                                                                                                    |
| <b>Computer Interface</b>           | USB                                                                                                                                                                                               |
| <b>Battery Life</b>                 | 10 years*                                                                                                                                                                                         |
| <b>Replaceable Battery</b>          | Yes, with the use of soldering iron                                                                                                                                                               |
| <b>Optional</b>                     | Rechargeable battery                                                                                                                                                                              |

\* For sampling interval of 2 minutes.  
Warranty: 12 months.  
Specifications may change without notice.