

# DST CTD

**Conductivity, Depth and Temperature Logger**

**Small and economical. Easy to mount on gear.  
Wide salinity range. Long battery life.**

For use on subsea gear and moorings for long-term oceanographic studies.



## Key features

- Smallest CTD logger on the market
- Easy to mount on gear
- Wide salinity range
- Long battery life – up to 5 years
- For shallow to deep ocean

## Required accessories

Communication Box, SeaStar Windows software.

## Optional accessories

Polyurethane plastic protective housing, Copper grid, Stainless steel housing.



# Technical specifications

|                                     |                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Sensors</b>                      | Conductivity (salinity), temperature, pressure (depth)                                          |
| <b>Size (Diameter x Length)</b>     | 15 mm x 50 mm (18mm at the closure end)                                                         |
| <b>Housing Material</b>             | Alumina (Ceramic)                                                                               |
| <b>Weight (in Air/in Water)</b>     | 21g/13g                                                                                         |
| <b>Data Resolution</b>              | 12 bits                                                                                         |
| <b>Conductivity Ranges</b>          | Wide range: 2-68 mS/cm; Low range: 0.1-6 mS/cm                                                  |
| <b>Conductivity Resolution</b>      | Range 2-68 mS/cm: 0.03 mS/cm;<br>Range 0.1-6 mS/cm: 0.003 mS/cm                                 |
| <b>Conductivity Accuracy</b>        | Range 2-68 mS/cm: +/-1.5 mS/cm,<br>Range 0.1-6 mS/cm: +/-0.15 mS/cm                             |
| <b>Salinity Range</b>               | Depends on conductivity and temperature range (consult with Star-Oddi)                          |
| <b>Salinity Resolution</b>          | Range 2-68 mS/cm: 0.02 PSU*; Range 0.1-6 mS/cm: 0.002 PSU*                                      |
| <b>Salinity Accuracy</b>            | Range 2-68 mS/cm: +/-1 PSU*; Range 0.1-6 mS/cm: +/-0.1 PSU*                                     |
| <b>Temperature Range</b>            | -1°C to +40°C (30°F to 104°F)                                                                   |
| <b>Operating Temperature Range</b>  | -10°C to +60°C                                                                                  |
| <b>Temperature Resolution</b>       | 0.032°C (0.058°F)                                                                               |
| <b>Temperature Accuracy</b>         | +/-0.1°C (0.18°F)                                                                               |
| <b>Temperature Response Time</b>    | Time constant (63%) reached in 20 sec.                                                          |
| <b>Standard Depth Ranges</b>        | 150m, 500m, 1200m, 2400m                                                                        |
| <b>Depth Resolution</b>             | 0.03% of selected range                                                                         |
| <b>Depth Accuracy</b>               | +/-1% of selected range                                                                         |
| <b>Depth Response Time</b>          | Immediate                                                                                       |
| <b>Memory Type</b>                  | Non-volatile EEPROM                                                                             |
| <b>Memory Capacity</b>              | 87,217 measurements per sensor                                                                  |
| <b>Memory Mangement</b>             | Custom programming                                                                              |
| <b>Measurement Interval</b>         | User specified in second(s) minute(s), or hour(s)                                               |
| <b>Minimum Measurement Interval</b> | 1 second                                                                                        |
| <b>Multiple Intervals Option</b>    | Up to 7 different intervals                                                                     |
| <b>Data Retention</b>               | 25 years                                                                                        |
| <b>Clock</b>                        | Real time clock. Accuracy +/-1 min/month.                                                       |
| <b>Communications</b>               | Communication Box, wireless transmission when DST sits in the box. Connection to PC: USB cable. |
| <b>Attachment Hole</b>              | 0.9 mm (diameter)                                                                               |
| <b>Battery Life</b>                 | 5 years**                                                                                       |
| <b>Replaceable Battery</b>          | No                                                                                              |

\* Based on conductivity full scale accuracy at 24°C.

\*\* For sampling interval of 10 minutes.

Warranty: 12 months.

Specifications may change without notice.