

# 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; Range 0.1-6 mS/cm: 0.003 mS/cm
<b>Conductivity Accuracy</b>	Range 2-68 mS/cm: +/-1.5 mS/cm, 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: 0.0005 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.