

# STAR : ODDI

## DST CT

### Conductivity, Salinity and Temperature Logger

Small and cost-effective conductivity logger, easy to mount. Wide salinity range.

Easy to mount on gear and moorings for short or long-term studies in underwater environments.



## Key features

- Smallest conductivity logger on the market
- Flexible mounting with protective housing
- Wide salinity range, low to high conductivity
- High pressure tolerance

### Required accessories

PC Communication Cable,  
SeaStar Windows software  
Option: Polyurethane plastic  
protective housing, stainless  
steel housing.

### Suitable for

Oceans, rivers, lakes, sewers.  
Pressure/depth user defined,  
up to max 2500 m

### Contact Us

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## TECHNICAL SPECIFICATIONS

<b>Sensors</b>	Conductivity (salinity) and temperature
<b>Size (Diameter x Length)</b>	15mm x 50mm
<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: 3-68 mS/cm Low range: 0.3-5 mS/cm  Available on request: 13-63 mS/cm 3-37 mS/cm
<b>Conductivity Resolution</b>	Standard ranges: 3-68 mS/cm: 0.025 mS/cm 0.3-5 mS/cm: 0.002 mS/cm  On request ranges: 13-63 mS/cm: 0.02 mS/cm 3-37 mS/cm: 0.01 mS/cm
<b>Conductivity Accuracy</b>	Standard ranges: 3-68 mS/cm: +/-1.5 mS/cm 0.3-5 mS/cm: +/-0.3 mS/cm  On request ranges: 13-63 mS/cm: +/-2 mS/cm 3-37 mS/cm: +/-1.5 mS/cm
<b>Salinity Range</b>	Depends on conductivity and temp. range (consult with Star-Oddi)
<b>Salinity Resolution</b>	Standard ranges*: 3-68 mS/cm: 0.02 PSU 0.3-5 mS/cm: 0.0005 PSU  On request ranges*: 13-63 mS/cm: 0.01 PSU 3-37 mS/cm: 0.01 PSU
<b>Salinity Accuracy</b>	Standard ranges*: 3-68 mS/cm: +/-1 PSU 0.3-5 mS/cm: 0.1 PSU  On request ranges*: 13-63 mS/cm: +/-1.5 PSU 3-37 mS/cm: +/-1 PSU

<b>Temperature Range</b>	-1°C to +40°C (30°F to 104°F)
<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>Pressure Tolerance</b>	2500m (please provide the depth you are going to use the logger at so the applicable membrane is applied)
<b>Memory Type</b>	Non-volatile EEPROM
<b>Memory Capacity</b>	130,826 measurements per sensor
<b>Memory Mangement</b>	Custom programming
<b>Sampling Interval</b>	User specified in second(s) minute(s), or hour(s)
<b>Minimum Measuring 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, wirelss transmission when DST sits in the box. Connection to PC: USB cable.
<b>Attachment Hole</b>	0.9 mm (diameter)
<b>Battery Life</b>	4 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.