

# STAR : ODDI

## DST milli-TD

**Small Temperature and Depth Logger  
with Large Memory Size**

Easy to mount on subsea gear, fishing nets, and moorings for short or long-term studies in underwater environments and diverse industries.



### Key features

- Small and handy depth water level logger
- Flexible mounting with protective housing
- Pressure range from low to high pressure
- Large memory size
- High temperature calibration available

### Required accessories

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

### Contact Us

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### Various depth/pressure ranges

Choose a calibration range up  
to: 50 m, 100 m, 500 m, 800 m

## TECHNICAL SPECIFICATIONS

<b>Sensors</b>	Temperature and pressure (depth)
<b>Size (Diameter x Length)</b>	13mm x 39.4mm
<b>Housing Material</b>	Alumina (Ceramic)
<b>Weight (in Air/in Water)</b>	12g/7g
<b>Data Resolution</b>	12 bits
<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>	Standard range: +/-0.1°C (0.18°F), Extended range: +/-0.2°C (0.36°F)
<b>Temperature Response Time</b>	Time constant (63%) reached in 12 sec.
<b>Standard Depth Ranges</b>	0.1m-50m, 0.1m-100m, 1m-250m, 5m-500m, 5m-800m
<b>Depth Resolution</b>	0.03% of selected range
<b>Depth Accuracy</b>	+/-0.6% of selected range
<b>Depth Response Time</b>	Immediate
<b>Pressure Ranges</b>	5 bar, 10 bar, 25 bar, 50 bar, 80 bar
<b>Pressure Resolution</b>	0.03% of selected range
<b>Pressure Accuracy</b>	+/-0.3% of selected range
<b>Memory Type</b>	FLASH
<b>Memory Capacity</b>	1,398,102 measurements in total*
<b>Number of Measurements</b>	699,000 paired temp-pressure/depth meas.
<b>Memory Capacity Bytes</b>	2 MB
<b>Sampling Interval</b>	User specified in second(s) minute(s), or hour(s)
<b>Minimum Measuring Interval</b>	0.1 second fastest

<b>Burst Measuring Option</b>	10 Hz (10 measurements per sec.)
<b>Multiple Intervals Option</b>	Up to 7 different intervals
<b>Primary/Secondary Option</b>	Temperature or pressure/depth as primary with faster interval
<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>	3.5 years***
<b>Replaceable Battery</b>	No

\* Total memory is divided between the two sensors.

\*\* Extended calibration available upon request.

\*\*\* For sampling interval of 5 minutes. Sampling interval of 2 minutes = 2.5 years lifetime.

Warranty: 12 months.

Specifications may change without notice.