

# Minos CTD

Ideal for Salinity Profiles from Small Launches

The Minos CTD is a logger that was specifically designed for vertical profiles from small launches or boats. ½ the size of a CTD Plus v2, this instrument is much easier to handle in small spaces. The instrument also has an LED light which provides a visual status indicator to the end-user.

With 25Hz sampling and rapid sensor response times, the Minos CTD provides high resolution data even in high-speed applications. Matched sensor response times eliminate the need for post processing of data. No pumps are required. The Minos CTD can be equipped with up to 2 analog or 1 digital channels to allow integration of additional sensors.

## Standard Features:

- Conductive Conductivity: 4 Electrode Conductive Cell, +/-0.01 mS/cm accuracy
- Temperature: Precision Aged Thermistor, +/-0.005°C accuracy
- Pressure: Temperature Compensated Strain Gauge, +/-0.05%FS accuracy
- Small Size: half the size of the CTD Plus v2
- Rechargeable Lithium-Ion battery pack provides approximately 30 hours of continuous sampling
- Designed for Profiling: with integrated shackle point and stainless steel protective sensor cage
- LED light indicates ready, logging, and low battery
- High speed sampling: user configurable, up to 25Hz



## X•Series: Sensor-Xchangeable Instruments

Available as an upgrade, X•Series instruments allow the user to change instrument sensor-load on demand. With the X•Series, your CTD can be an SVTP, shallow pressure sensors can be swapped for deep, and temperature range can be adjusted as needed. The X•Series uses Xchange™ sensor-heads, which are both field-swappable and shareable with all other models of X•Series instruments.

For more information, request an X•Series brochure.

conductivity / sound velocity / pressure / temperature



## Electrical:

- LED light indicates if the battery is low and when instrument is operating
- Gigabyte non-volatile memory (expandable)
- Up to 25 scans per second
- Real time clock
- 7.5 to 26 VDC (external)
- Auto detect RS232 or RS485
- Optional additional channels (2 analog or 1 digital)
- Auto shut-down in low battery conditions

## Sampling Modes:

- User configurable
- By time, up to 25 Hz
- By pressure, .01 dBar and greater

## Power:

- Rechargeable Lithium-Ion battery pack

## Mechanical:

- Housing & Endcap: Delrin to 1000 m or Titanium to 6000 m
- Stainless steel shackle point and sensor protection cage
- Size: 75.7 mm (2.98") diameter x 566 mm (22.3") OAL
- Connector: Subconn Micro 8, Female
- Storage Temperature: -20°C to 60°C
- Operating Temperature: -20°C to 45°C

## Accessories:

- Instrument suspension bar
- Instrument protection frame
- Field spares kit

Parameter	Range	Precision	Accuracy	Resolution	Response
<b>STANDARD</b>					
Conductive Conductivity 4 Electrode	Up to 70mS/cm	+/-0.005mS/cm	+/-0.01mS/cm	0.001mS/cm	25ms at 1m/s flow
Temperature	-2 to 32°C	+/-0.003°C	+/-0.005°C	0.001°C	100 milliseconds
Pressure (Strain Gauge)	Up to 6000m	+/-0.03%FS	+/-0.05%FS	0.005%FS	10 milliseconds
Salinity (Calculated)	Up to 40psu	+/-0.06psu	+/-0.01psu	0.001psu	
Density (Calculated)	990 to 1200kg/m <sup>3</sup>		+/- 0.027kg/m <sup>3</sup>	0.001kg/m <sup>3</sup>	

## Xchange™

Field-swappable Xchange™ sensors (Conductivity, Sound Velocity, Temperature and Pressure) are only available on X•Series instruments, including the Minos•X. For more information, please request a copy of the Minos•X brochure.

\*specifications subject to change without notice



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