

# CTD Plus v2

Ideal for Multi-Parameter Profiling

The CTD Plus is a rugged, high accuracy logging CTD. Since its original launch in 1992, more than 1000 Plus units have been built, making the CTD Plus a reliable field partner.

Redesigned in 2002, the CTD Plus v2 incorporates new features that make it more powerful than ever. With 25Hz sampling and rapid sensor response times, the instrument 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 CTD Plus v2 can be equipped with up to 10 analog or 5 digital channels to allow integration of additional sensors.

## Standard Features:

- Conductive Conductivity: 4 Electrode Conductive Cell, +/-0.01mS/cm accuracy
- Temperature: Precision Aged Thermistor, +/-0.005°C accuracy
- Pressure: Temperature Compensated Strain Gauge, +/-0.05%FS accuracy
- Power: dual power (internal battery and external supply)
- Memory: gigabyte non-volatile memory (expandable)
- No Pump: rapid response times provide matched data
- Designed for Profiling: integrated shackle point and protective sensor cage
- 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.

## Electrical:

- Gigabyte non-volatile memory (expandable)
- Up to 25 scans per second
- 8 to 26 VDC (external)
- Auto detect RS232 or RS485
- Auto shut-down in low battery conditions
- Real time clock
- Additional channels (10 analog or 5 digital, optional)
- USB download (optional)

## Power Options:

- 9 D cell Alkaline batteries
- 3, 6, or 9 D cell Lithium batteries
- 9 D cell Ni-Cad rechargeable batteries

## Mechanical:

- Housing & End Cap: Hard anodized Aluminium 6061-T6 housing to 5000 m or 7075-T6 to 6000 m
- Size: 100 mm (4.0") diameter x 881 mm (34.9") OAL
- Connector: Subconn Micro 8
- Storage Temperature: -40°C to 60°C
- Operating Temperature: -20°C to 45°C

## Sampling Modes:

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

## Accessories:

- Instrument suspension bar
- Instrument protection cage
- 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>	
<b>OPTIONAL</b>					
Pressure (Quartz Crystal)	Up to 7000m	+/-0.01%FS	+/-0.01%FS	0.005%FS	10 milliseconds

## Xchange™

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

\*specifications subject to change without notice



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