

CTD Plus^{v2}

Ideal for Multi-Parameter Profiling

The CTD Plus^{v2} was first released in 1992 as a rugged, highly accurate profiling CTD. Since its original launch, more than 1000 Plus units have been built, making the CTD Plus^{v2} a reliable field partner. Updated in 2004, the CTD Plus^{v2} incorporates new features that make it more powerful than ever.

The CTD Plus^{v2} has 25 Hz sampling, guaranteeing high resolution data. Rapid, matched sensor response times eliminate the need for post processing of data. No pumps are required. Moreover, the CTD Plus^{v2} can be equipped with up to 10 analog or 5 digital channels.



Key Features:

- *Conductivity:* 4 Electrode Conductive Cell, +/-0.005 mS/cm (precision)
- *Temperature:* Precision Aged Thermistor, +/-0.003°C (precision)
- *Pressure:* Temperature Compensated Strain Gauge, +/-0.03%FS (precision)
- *Sampling:* user selectable sampling to 25Hz
- *Power:* dual power (internal battery and external supply)
- *Memory:* gigabyte non-volatile memory (expandable)
- *Additional Channels:* up to 10 analog or 5 digital channels
- *No Pump:* rapid response times provide matched data
- *USB:* optional USB port for high-speed data download

CTD Plus^{v2}

CTD for Profiling



Optional USB port for high-speed data download

Electrical:

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

Sampling Modes:

- Continuous; defined increments of time or pressure; on request

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 6061-T6 Aluminium housing to 5000 m or 7075-T6 Aluminium to 6000 m
- Size: 100 mm / 4.0" (diameter) x 881 mm / 34.9" (end-to-end, logger version)
- Connectors: Subconn Micro 8 wet pluggable; IE55 connector for remote sensors
- Environmental: Storage, -40°C to 60°C; Usage, -20°C to 45°C

Accessories:

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

Ordering Code:

- PDC-Bo700

**specifications subject to change without notice*

		Range	Precision	Accuracy	Response	Resolution
Standard Sensors	Conductivity (4 Electrode)	Up to 70 mS/cm	+/-0.005 mS/cm	+/-0.01 mS/cm	25 ms at 1 m/s flow	0.001 mS/cm
	Temperature	-2 to 32°C	+/-0.003°C	+/-0.005°C	100 milliseconds	0.001°C
	Pressure (Strain Gauge)	Various to 6000 m	+/-0.03%FS	+/-0.05%FS	10 milliseconds	0.005%FS
Optional Upgrades	Pressure (Quartz Crystal)	Various to 7000 m		+/-0.01%FS	10 milliseconds	0.005%FS
Calculated Parameters	Salinity	Up to 40 psu	+/-0.005 psu	+/-0.01 psu		0.001 psu
	Density	990 to 1200 kg/m ³		+/-1.5 kg/m ³		0.06 kg/m ³



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