

Micro CTD

The Outstanding Choice for AUVs, ROVs and Other Mobile Platforms

The Micro CTD's 25 Hz sampling guarantees high resolution data even in high speed applications. Rapid, matched sensor response times eliminate the need for post processing of data. No pumps are required, making the Micro CTD a natural choice for systems on tight power budgets.



Memorial University

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, +/-0.003%FS (precision)
- *Sampling:* user selectable sampling to 25Hz
- *Small Size:* diameter of 50 mm (1.98") and length of 316 mm (12.54")
- *Low Power:* minimal power requirements with no pumps required
- *Additional Channels:* up to 2 analog or 1 digital channels
- *No Pump:* rapid response times provide time matched data

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Electrical:

- Gigabyte memory (optional)
- Up to 25 scans per second
- Real time clock
- 8 to 26 VDC (external)
- Auto detect RS232 or RS485
- Optional additional channels (2 analog or 1 digital)

Sampling Modes:

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

Power Options:

- 3 cell Lithium battery pack (optional, available in second pressure housing)

Mechanical:

- Housing & End Cap: Delrin to 500 m or Titanium to 10,000 m
- Size: 50 mm / 1.98" (diameter) x 316 mm / 12.54" (end-to-end, real-time version)
- Connectors: Subconn Micro 8 wet pluggable, Female
- Environmental: Storage, -40°C to 60°C; Usage, -20°C to 45°C

Accessories:

- Instrument suspension bar
- Instrument protection frame
- Sensor protection cage
- Mounting bracket

Ordering Code:

- PDC-B0200

**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
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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APPLIED MICROSYSTEMS

Sea and Land Technologies Pte Ltd

65 Tuas Avenue 1
Singapore 639508

Email: enquiry@sea-landtech.com.sg

Website: <http://www.sea-landtech.com.sg>

Tel : +(65) 6518 0777
Fax : +(65) 6563 0366