

CTD & ULP-CTD Specifications Data Sheet

Conductivity: Range: 0-7 S/M, Resolution: 0.00004, Initial Accuracy: +/- 0.0003 S/M, Typical Stability: +/- 0.0003

Response < 0.065 msec Free Flushed @ 100 cm/min Velocity Through Water

Temperature: Range: -5C to 35C, Resolution: 0.0002, Initial Accuracy: +/- 0.001, Typical Stability: +/- 0.0002C per Month. CTD: Response High Speed Probe .065 sec

Pressure: Range: User Set, Resolution: 0.001% F.S., +/- 0.015% F.S., +/- 0.02% F.S. Year. Response < 0.015 Sec

Power Consumption:

CTD: 200 mW (all sampling speed) Standard Version

ULP-CTD: 40 mW

Sampling Speed: 2 to 26 Hz Frames of CTD/Second Standard Version

Sampling Speed: 1 or 2 Hz Frames of CTD/Second ULP Version

Memory: Standard CTD 128 MB memory, ULP = None

Auxiliary Sensors: The unit has an 8 Channel 12 BIT A/D Range 0 – 3.3VDC A/D convertor available for Auxiliary Sensors

Consult Factory for Auxiliary Channel Input Filter Conditioning & Response

Sea Cable: Inner conductor resistance 0 to 350 ohms

Modem Baud Rate: Up Data UP Rate 9600 BPS

Bi Directional Serial Command Channel 300 BPS Full Duplex

Power For External Sensors : 1 Amp at 15VDC

Weight:

ULP and Standard: Aluminum Housing: 2.20 lbs. in air
425 grams in water (Size: 9" x 3.5" x 2.0")

ULP and Standard: Titanium Housing: 3.80 lbs. in air
1,180 grams in water (Size: 9" x 3.5" x 2")

AUV-CTD Housing (ULP and Standard):

1490 grams in air

380 grams in water

Size: 7.71" x 4.20" x 2.5"

Data Sheet

REV 2

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