

CastAway-CTD WITH PROFILING AND ANALYSIS SOFTWARE



The CastAway[®]-CTD is a lightweight, easy to use instrument designed for quick and accurate conductivity, temperature, and depth profiles. Each cast is automatically referenced with both time and location using its built-in GPS receiver. The CastAway software displays profiles of the casts in addition to mapping the locations of the data collection points. Data integrate directly with RiverSurveyor Live and HYPACK[®] software, and can also be exported to MATLAB[®] for applying sound speed corrections.

The rugged, non-corrosive housing, AA battery power and computer-free operation reflect the technician-friendly pedigree of the CastAway-CTD.



Plots of conductivity, temperature, salinity and sound speed versus depth can be viewed immediately on color LCD screen



5Hz response and sampling rate, accurate to 0.1 (PSS-78), 0.05°C



Internal GPS and Bluetooth wireless data download



Fully compatible with the RiverSuveyor-Live, HydroSurveyor and HYPACK





CastAway-CTD

The CastAway-CTD Output Parameters

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	Range	Resolution	Accuracy	Measured or Derived
Conductivity	0 to 100,000 µS/cm	1µS/cm	± 0.25% ± 5 μS/cm	Measured
Temperature	-5° - 45° C	0.01° C	± 0.05° C	Measured
Pressure	0 to 100 dBar	0.01 dBar	± 0.25% FS	Measured
Salinity	Up to 42 (PSS-78)	0.01 (PSS-78)	± 0.1 (PSS-78)	PSS-78 ³
Sound Speed	1400 - 1730 m/s	0.01 m/s	± 0.15 m/s	Chen-Millero⁴
Density ¹	990 to 1035 kg/m ³	0.004 kg/m ³	± 0.02 kg/m ³	EOS80⁵
Depth	0 to 100 m	0.01m	± 0.25% FS	EOS80⁵
Specific Conductivity ²	0 to 250,000 µS/cm	1µS/cm	± 0.25% ±5 μS/cm	EOS80⁵
GPS			10 m	

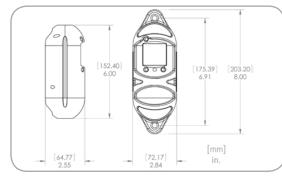
sed on temperature olution and accuracy. sed on 100,000 µS/ at -5° C. 78 Practical Salinity le. een-Millero, 1977. sed-of-sound in sea er at high pressures. ernational Equation

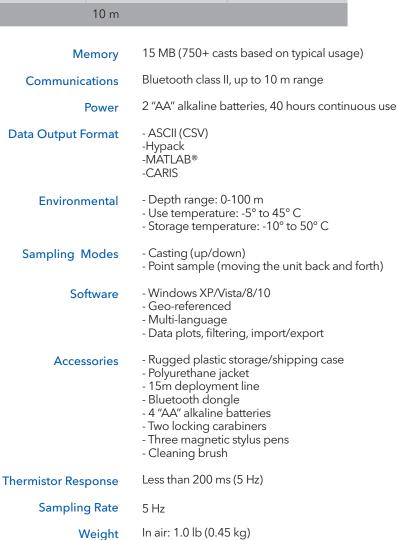


Example of CastAway-CTD software



Rugged CastAway-CTD storage case







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In water: 0.06 lbs (0.03 kg)

Quick access to the video and training resources you need at **sontek.com/videos**

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sontek.com/castaway-ctd