



miniCT

The miniCT is Valeport's real time Conductivity and Temperature sensor package. It features high accuracy sensors combined with a robust design to make it suitable for inclusion in a variety of sensor suites, fixed site monitoring in still wells or for use on frames and buoys, ROVs, AUVs and ASVs.

The miniCT interfaces seamlessly with the Valeport TideMaster, should the logging and display of data be required.

DATA SHEET

Product Details



**CONDUCTIVITY &
TEMPERATURE**



**DATALOG
X2 SOFTWARE**

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Sensors

Valeport's digital inductive conductivity sensor boasts several design features that allow it to perform to specification even under the harshest of environments.

Specially selected materials maintain dimensional stability to 6000m water depth, and the unique digital sampling system means that the sensor not only uses very little power, but also that the measurements are totally unaffected by environmental temperature. The miniCT also features a robust, titanium housed PRT temperature sensor.

Conductivity

Type	Valeport inductive cell
Range	0 - 80mS/cm
Accuracy	±0.01mS/cm
Resolution	0.001mS/cm

Temperature

Type	Titanium housed PRT
Range	-5 - +35°C
Accuracy	±0.01°C
Resolution	0.001°C

Data Acquisition

Sampling	Continuous data output, on command or on power up
Data Rate	1, 2, 4 or 8Hz

Communications

Output	RS232 & RS485 fitted as standard
Protocol	4800 to 115200 baud, (8,1,N)
Format	ASCII text data

Physical

Materials	Titanium housing (as ordered), polyurethane and ceramic sensor components
Depth	6000m (Titanium)
Size	40mmØ x 285mm long (including connector)
Weight	1kg - Titanium

Electrical

Input	9 – 28V DC
Power	<250mW @12v
Connector	SubConn MCBH6F

Software

System is supplied with DataLog X2 Windows based PC software, for instrument setup, data extraction and display. DataLog X2 is licence free.

Ordering

0660006

miniCT in Titanium
Supplied with:
• Interface lead
• Operating manual and transit case

