



# 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**  $\pm 0.01$ mS/cm

**Resolution** 0.001mS/cm

## Temperature

**Type** Titanium housed PRT

**Range** -5 - +35°C

**Accuracy**  $\pm 0.01$ °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** 40mm $\varnothing$  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

