



miniCT



The miniCT is Valeport's latest 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 or for use on ROV's or other vehicles



Sensors

Valeport's new 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 to +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: Acetal or titanium housing (as ordered), polyurethane and ceramic sensor components
Depth Rating: 500m (acetal)
 6000m (titanium)
Size: 40mmØ x 285mm long (inc. connector)
Weight: 0.6kg (acetal)
 .2kg (titanium)

Electrical

Input: 9 - 15vDC
Power: 250mW
Connector: Subconn MCBH6F

Ordering

0660005 miniCT in acetal housing. Supplied with interface lead, operating manual and transit case.
 0660006 miniCT in titanium housing. Supplied with interface lead, operating manual and transit case.

Datasheet Reference: Product Name version 2A, Mon YYYY