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, fixed site monitoring in still wells (for low bio-fouling) or for use on ROVs 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 (including connector)
- **Weight:** 0.6kg - Acetal
  - 1kg - Titanium

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

**Ordering**
- 0660005 miniCT in Acetal housing
  - Supplied with:
    - Interface lead
    - Operating manual and transit case
- 0660006 miniCT in Titanium
  - Supplied with:
    - Interface lead
    - Operating manual and transit case

Datasheet Reference: miniCT - May 2016

As part of our policy of continuing development, we reserve the right to alter at any time, without notice, all specifications, designs, prices and conditions of supply of all equipment.