

OceanTools

DigiCP

Digital cathodic potential measurement

The **OceanTools DigiCP** is an *innovative* product that *combines* a traditional CP probe with modern digital electronics.



Overview

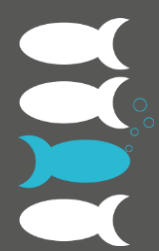
The **OceanTools DigiCP** system may be supplied with both contact and proximity probes.

Unlike conventional CP systems, the **DigiCP** digitises the analogue CP voltage subsea and transmits it to the surface via a twisted pair in the ROV umbilical or via a data multiplexer.

The subsea unit comprises either a contact probe or a proximity probe with a connecting cable plus a subsea housing containing the conversion electronics. Units are available in 1000m and 3000m depth ratings. RS232 and RS485 data is simultaneously available from the **DigiCP**.

On the surface, the data is displayed on a simple Windows based application (as shown below). The data may also be outputted to a data logger or to, for example, an **OceanTools** video overlay unit.





Key Features

- Supplied with mating tail, transit case and calibration kit (zinc test block, reference electrode cell and adaptor lead)
- Optional T-bar and Springy Fishtail handles
- Simultaneous RS232 and RS485 outputs
- Works in contact or proximity mode
- 1000m and 3000m variants
- Optional TTL output
- Noise-immune



Probe mounted in Springy Fishtail handle

Specifications

Subsea Unit	
Height *	80mm
Diameter *	110mm
Weight in air *	0.8kg
Weight in water *	0.25kg
Depth ratings	1000m, 3000m
Input voltage	10-36VDC
Maximum current	50mA @ 10VDC
Data transmission	RS232, RS485 @ 4800 Baud
Optional	TTL Output
* = 1000m rated version	

CP Probe	
Probe type	Silver/Silver chloride half cell
Accuracy	±5mV
Length	130mm
Diameter	40mm
Weight	0.26kg