

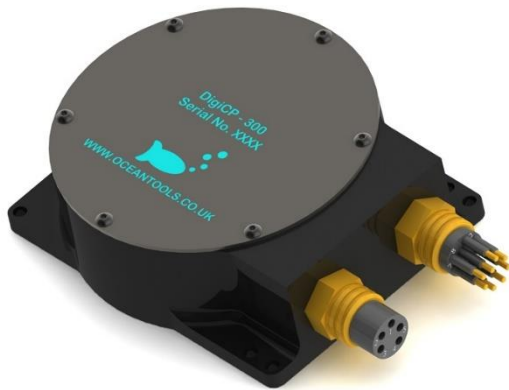


OceanTools

DigiCP

Digital cathodic potential measurement

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



DigiCP-300



DigiCP-8K

Overview

The **OceanTools DigiCP** system may be supplied with either a contact probe or a proximity probe. 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 equipment comprises a contact or proximity probe with a connecting cable plus a subsea housing containing the conversion electronics. Units are available with 300m, 4000m or 8000m depth ratings. RS232 and RS485 data is simultaneously available from the **DigiCP**.

The **DigiCP-S** is designed for diver applications and includes a pistol grip to hold the probe and a Surface Interface Unit that takes the voltage from the subsea probe and converts it to serial data.

On the surface, the data may be displayed on a simple Windows based application. The data may also be sent to a data logger or to, for example, an **OceanTools** video overlay unit.

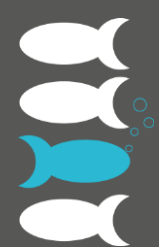
Key Features

- Contact or proximity probes
- Optional T-bar or Springy Fishtail handle
- Optional diver-held probe with Surface Interface Unit
- Simultaneous RS232 and RS485 plus optional TTL output
- 300m, 4000m or 8000m depth rating
- Optional transit case and calibration kit (zinc test block, reference electrode cell and adaptor lead) also available



DigiCP-S





Specifications

	DigiCP-300	DigiCP-4K	DigiCP-8K
Height	40mm	117mm (incl connector)	
Diameter	106mm	112mm	
Base dimensions	123mm x 97mm	112mm x 112mm	
Weight in air	0.47kg	1.8kg	2.9kg
Weight in water	0.23kg	0.9kg	2.0kg
Depth rating	300m	4000m	8000m
Input voltage	10–36VDC		
Maximum current	50mA @ 10VDC		
Data output	RS232 and RS485 (TTL optional)		

	CP Probe
Probe type	Silver/Silver Chloride half cell
Accuracy	±5mV
Length *	130mm
Diameter *	40mm
Weight in air *	0.76kg
Weight in water *	0.26kg
<i>* Excluding pistol grip or handle</i>	



CP probe mounted in Springy Fishtail handle



DigiCP display software

