

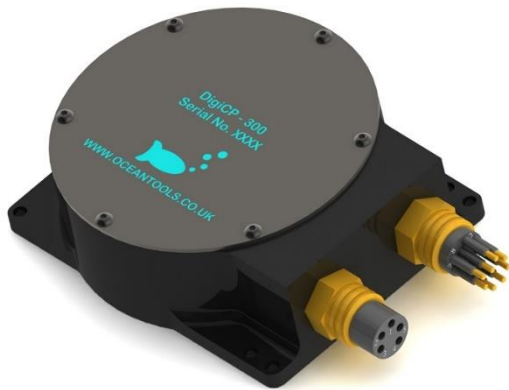


# OceanTools

## 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.

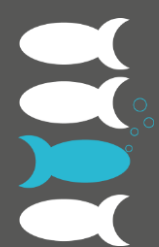
## Key Features

- Contact or proximity probes
- Optional T-bar or Springy Fishtail handle
- Optional diver-held probe with Surface Interface Unit
- Simultaneous RS232 and RS485 outputs
- 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
<b>Height</b>	40mm	117mm (incl connector)	
<b>Diameter</b>	106mm	112mm	
<b>Base dimensions</b>	123mm x 97mm	112mm x 112mm	
<b>Weight in air</b>	0.9kg	1.8kg	2.9kg
<b>Weight in water</b>	0.5kg	0.9kg	2.0kg
<b>Depth rating</b>	300m	4000m	8000m
<b>Input voltage</b>	10–36VDC		
<b>Maximum current</b>	50mA @ 10VDC		
<b>Data output</b>	RS232 and RS485		

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



CP probe mounted in Springy Fishtail handle



DigiCP display software