

# RTS CP System

## Self Calibrating Digital CP System

The latest RTS CP System is the complete solution for Cathodic Protection Measurements.

The system comprises of a single contact probe with dual electrodes, a subsea CP A/D converter bottle and surface display & logging software.

Online quality control function utilises the differential reading between the two electrodes and activates a built-in software alarm when the electrode is seen to be out of calibration.

The dual electrode display software presents real-time online CP readings and has the facility to program the differential alarm and scaling limits.

Easy ROV interface, requiring only one RS232 or 422/485 compatible up link and 24V DC power supply.

The surface software can be utilised as a standalone display & logging package or easily interfaced to existing video overlay and logging software systems.



### Main features

- Easy to implement and use
- Dual Electrode plot for QC
- High Accuracy and Resolution
- Online differential measurement
- Digital link no cable loss
- Display & Logging Software
- Fast 10Hz Sampling Rate
- RS232 and RS485/422 Compatible



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## TECHNICAL SPECIFICATIONS

<b>Connections &amp; Comms</b>	
<b>CP A/D Converter:</b>	
ROV Side	Burton 5507-1508 / RS232 or RS485/422
Probe Side	Burton 5507-1503
<b>Power</b>	
DC Input	12 - 30 VDC
Current	0,2 A
<b>Specifications</b>	
<b>CP A/D converter:</b>	
Measurement range	± 2500mV
Accuracy better than	± 1 mV
<b>Environmental</b>	
<b>CP A/D Converter:</b>	
Operating ambient temperature	-2°C to +55°C
Depth rating	4000m
Weight in air	2,9 kg ± 0,1 kg
Weight in water	2,1 kg ± 0,1 kg
Housing	Duplex Stainless Steel
<b>CP Probe:</b>	
Standard type	Polatrak ROV II (Note: System can be interfaced/delivered with other probe types)
<b>System Parts</b>	
<ul style="list-style-type: none"> <li>• RTS CP A/D Converter</li> <li>• RTS CP Software for Windows</li> <li>• CP Probe</li> <li>• Manipulator bracket</li> <li>• Probe to Converter Cable</li> <li>• ROV Interface Pigtail</li> <li>• Test Zinc</li> <li>• Spare Electrode and probe tips</li> </ul>	
<b>Dimensions</b>	
<b>CP A/D Converter:</b>	134mm x 374mm x 483mm
<b>CP Probe:</b>	Subject to choice of probe