

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

Connections & Comms		
CP A/D Converter:		
ROV Side		Burton 5507-1508 / RS232 or RS485/422
Probe Side		Burton 5507-1503
Power		
DC Input		12 - 30 VDC
Current		0,2 A
Specifications		
CP A/D converter:		
Measurement range		± 2500mV
Accuracy better than		± 1 mV
Environmental		
CP A/D Converter:		
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
CP Probe:		
Standard type		Polatrak ROV II (Note: System can be interfaced/delivered with other probe types)
System Parts		
		<ul style="list-style-type: none"> • RTS CP A/D Converter • RTS CP Software for Windows • CP Probe • Manipulator bracket • Probe to Converter Cable • ROV Interface Pigtail • Test Zinc • Spare Electrode and probe tips
Dimensions		
CP A/D Converter:		75mm Ø x 182mm (ex. connectors)
CP Probe:		Subject to choice of probe