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.

Specifications

Product	RTS CP System
Country of origin	Norway
Manufacturer	Rental Technology & Services AS

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

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 2,9 kg
Weight in air	± 0,1 kg
Weight in water	2,1 kg ± 0,1 kg
Housing	Duplex Stainless Stee
CP Probe	
Standard type	Polatrak ROV II (Note: System can be interfaced/delivered with other probe types)

Dimensions

CP A/D Converter	75mm Ø x 182mm (ex. connectors)
CP Probe	Subject to choice of probe

System parts

- 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