ROV CP System

GOSUBSEA

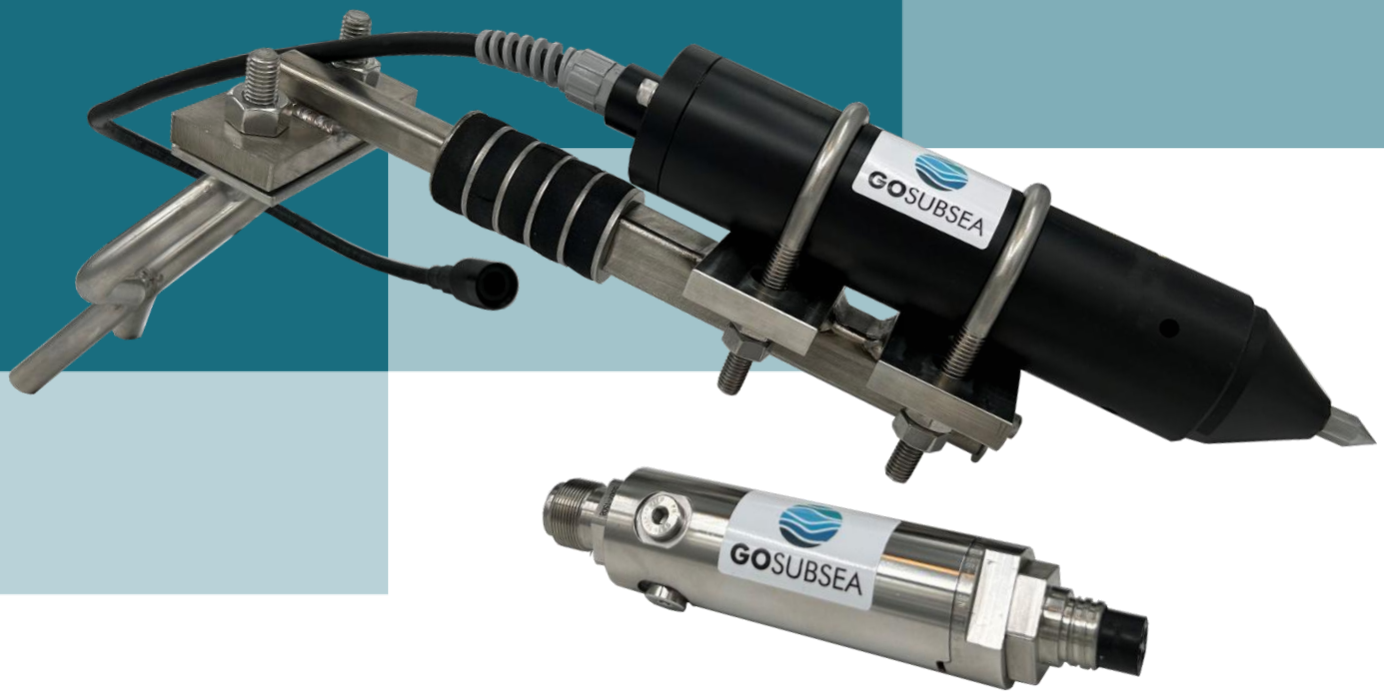
Cathodic Protection Measurements

Our ROV CP System is a compact, ROV-mounted solution designed to inspect, measure, and document cathodic protection performance on subsea structures. It enables accurate recording (using included software) of structure-to-electrolyte potentials and anode condition during subsea surveys, supporting verification of CP integrity and remaining anode life. The system is robust, easy to deploy on standard work-class and compact ROVs, and provides reliable data for maintenance planning and asset integrity management.

The system is delivered complete with probe, ROV handles, converter bottle, interconnect cable, pigtails (spares), test block, software and associated spares contained in a rugged transit case to ensure efficiency during transport and system mobilization.

BENEFITS

- **Confirms CP performance subsea**
- **Digital system link to ROV and Surface**
- **Dedicated Software for display and logging**
- **Dual Electrode CP Probe for high-quality measurements**
- **All parts included in kit for fast and easy mobilization**



GoSubsea AS // www.gosubsea.no // sales@gosubsea.no // +47 90 72 14 48

SPECIFICATONS

	CP Interface Unit	Polatrak ROV II CP Probe
Product Type	CP System Interface Unit (signal interface & conversion)	ROV-mountable / diver-operated CP probe
Primary Function	Interfaces CP contact probe signals to RS232 / RS485 with local A/D conversion	Measures electrochemical (cathodic protection) potential on submerged structures
Typical Application	CP data acquisition, logging, and integration with software	Offshore / subsea CP surveys using ROVs or divers
Depth Rating	3000 m	3000 m
Operating Temperature	−20 °C to +50 °C	1 °C to 40 °C
Dimensions	Ø40 × 194 mm (with connector)	57 × 57 × 292 mm (H × W × L)
Dimensions (packed in transit case)	80 x 50 x 30 cm (H × W × L) @ 22 kg	
Weight (air)	~1.0 kg	2.9 kg
Weight (water)	~0.9 kg	0.7 kg
Housing / Construction	Compact cylindrical unit	Free-flooding Delrin body
Power Supply	24 VDC (20–28 VDC)	Not required (passive probe)
Power Consumption	~1 W	N/A
Electrode Types		Ag/AgCl (standard) and $Cu/CuSO_4$
Measurement		Accuracy ±5 mV
Voltage Measurement Range		0 mV to −1999 mV
Communications	RS232, RS485	Via connection cable to CP Interface Unit
Data Rate	9.6–230.4 kbps	
Connectors	SubConn 5507-1508 (Power & Comms); SubConn BCR1504F (CP input)	Seacon RMG-3FS
Software / Data Handling	Windows GUI, history graph, logging, notes, DDE link	
Role in System	Signal conditioning, digitization & data output	Primary CP sensing element
Standard Accessories	CP Probe to CP System Interface Unit Pod Cable, zinc test block, zinc reference block, spare tips, pigtails, ROV handles, software, operation manual.