

STR SEACP SYSTEM

The STR SeaCP Inspection System is a comprehensive solution for Cathodic Protection inspection tasks that need to be performed accurately and quickly.

The STR SeaCP Proximity, Contact & Field Gradient Probe is a dual reference cathodic protection probe primarily for use as an ROV corrosion testing sensor.

The second reference electrode in the probe allows for field gradient operation but also facilitates live verification of correct operation. The Probe can also be adapted for Diver use. The system is provided with data logging software and can also be easily integrated into industry digital video recording systems.

The STR SeaCP Inspection System has been designed for maximum robustness and ease of use, incorporating a field spares and calibration kit.



KEY FEATURES

- 3000m Depth Rating
- Contact, Proximity & Field Gradient Measurements
- Dual Ag/AgCl Electrodes
- ROV Anti-Shock Mount
- Calibration & verification kit included
- Comprehensive spares
- Drop Cell Reference Included
- Low Power (19-32V DC @ 2W)

STR SEACP SYSTEM

STR SEACP INSPECTION SYSTEM

STANDARD KIT CONTENTS

QTY	DESCRIPTION
1	STR CP Probe ROV Interface Bottle (CP-RS232-3000)
1	STR SeaCP Proximity, Contact & Field Gradient Probe - C/W 1x Inconel Tip, 2x Ag/AgCl reference element & 2m MCIL3F cable assembly 1 3m MCIL3M to MCIL3F Probe extension cable assembly
1	ROV Anti-Shock Mount Handle Fish Tail
1	STR Drop Cell Reference C/W 70m Cable on hand reel, MCIL2F, removable weight & 1x Ag/AgCl reference element
1	10m cable assembly C/W MCIL2F for STR Drop Cell
1	Calibration Kit Comprising - 3x Saturated Calomel Electrodes, calibrated multimeter, 20L calibration bath, sodium chloride, calibrated zinc anode
1	Spare Front End-Cap and Tip Holder Assembly for STR SeaCP Probe
5	Spare Ag/AgCl Reference Elements
10	Spare Inconel Contact Tips
1	Kit of spare fastenings & fixings
1	Set of MCIL tails for Interface Bottle
1	Set of MCDC dummy plugs

STR CP PROBE ROV INTERFACE BOTTLE

CP-RS232-3000

SPECIFICATION	DESCRIPTION
INPUT SUPPLY VOLTAGE	19 to 32VDC
INPUT SUPPLY POWER	2W Typical
DEPTH RATING	3000m operational
OPERATING TEMPERATURE	0°C to 45°C
HOUSING MATERIAL	Stainless steel 316L
CONNECTORS	Industry standard MCBH connectors
WEIGHT	3.4kg in air / 2.5kg in water
DIMENSIONS	220mm L x 72.5mm Dia.
COMMUNICATIONS	Isolated RS232 & RS485 (1200 - 9600 Baud) (8, N, 1), 5 Hz (2.5Hz at 1200 Baud).
PROTECTION	Self resetting reverse polarity input protection, over/under voltage protection, opto-isolated comms
USER INTERFACE	ASCII Serial Data Output. Logging & Display Via STR CP Probe Logger Software. Serial data KP input. Serial output to DVR

STR SEACP PROXIMITY, CONTACT & FIELD GRADIENT PROBE

SPECIFICATION	DESCRIPTION
FEATURES	Integrated slim line 3 axis shock mounting Reinforced nose cone area Field replaceable reference elements
CONTACT TIP STR	35mm Inconel probe tip
REFERENCE ELEMENTS	2x STR Ag/AgCl element, Field Replaceable
ELEMENT SEPARATION	Standard 23cm separation for field gradient operation (user configurable)
HOUSING MATERIAL	Black Acetal Plastic
CONNECTOR	MCIL3F / MCDLSF
WEIGHT	3kg in air / 2.3kg in water (inc mount & Fishtail) 1.1kg in air / 0.3kg in water (Standalone Probe)
DIMENSIONS	910mm L x 77mm Dia. (inc mount & Fishtail) 486mm L x 57mm Dia (Standalone Probe)

STR SEACP DROP CELL

SPECIFICATION	DESCRIPTION
FEATURES	Removable drop weight to aid ROV use Field replaceable reference element 70m cable supplied for remote reference 10m cable supplied for ROV use Durable & low-drag umbilical
REFERENCE ELEMENT	1x STR Ag/AgCl elements, Field replaceable
OPERATING TEMPERATURE	-5°C to 70°C
HOUSING MATERIAL	Black Acetal Plastic
CONNECTOR	MCIL2F / MCDLSF
WEIGHT	1kg in air / 0.65kg in water (inc weight) 0.15kg in air / 0kg in water (without weight)
DIMENSIONS	335mm L x 54mm Dia. (inc weight) 222mm L x 33mm Dia (without weight)