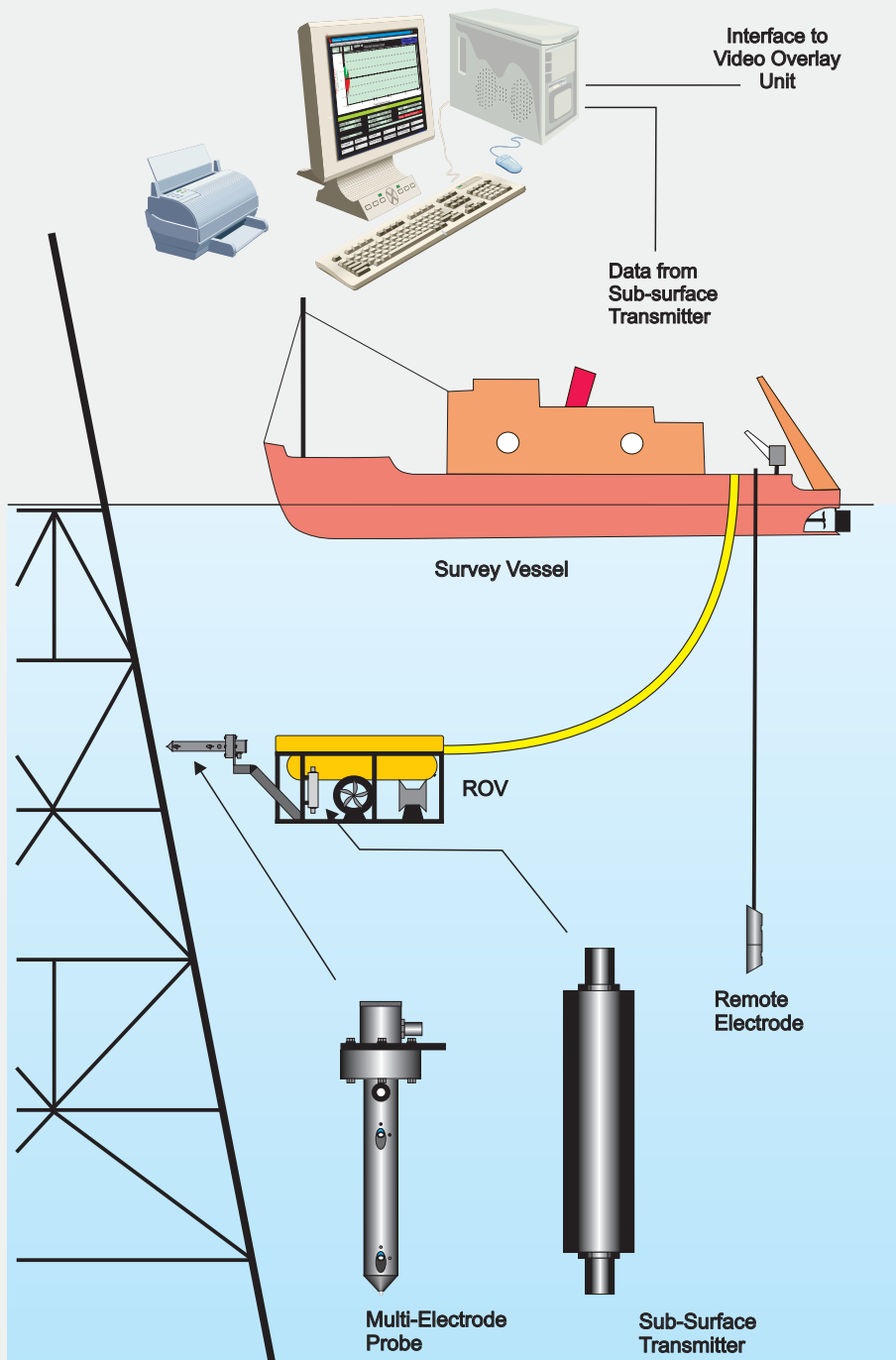


Subspection

SubCAPSS for Structures

Subsea Cathodic Protection Survey System for Marine Structures

- Continuous measurement of Cathodic Protection Potentials
- Continuous measurement of Field Gradient and Current Density
- NO hard wire connection needed, to platform or risers
- Anode potential, current output, and life remaining measurements, even when covered in marine fouling
- Proven equipment reliability, and robust design
- Computer controlled Data logging
- Designed to interface easily with either Remotely Operated Vehicles or Diver utilisation
- Comprehensive platform surveys covering all components
- Data presentation tailored to clients individual requirements
- Instant Field Reports generated on board
- Final reports completed by qualified staff to tight schedules



EQUIPMENT SPECIFICATION

MULTI-ELECTRODE PROBE

For mounting on the manipulator arm. Incorporates shock-mounting and subsea connector.

Normal Size Length 690mm Weight in Air 5kg Weight in Water 3.5kg Depth rating >3000metres
Compact Size Length 440mm Weight in Air 4kg Weight in Water 3.0kg Depth rating >3000metres

REMOTE ELECTRODE

For mounting on submersible vehicle umbilical cable, remote buoy, tether management system cage, or launched independently over the side of the vessel or through the moon pool.
Incorporates a subsea connector

Length 270mm Weight in Air 0.7kg Weight in Water 0.25kg Depth rating >3000metres

REFERENCE ELECTRODES

Silver/silver chloride reference cells manufactured to proprietary Subspecion design.
The cells exhibit long term stability and low self noise.
Calibrated, before dispatch, against traceable standard.

SUB-SURFACE TRANSMITTER

Usually mounted on submersible vehicle. Contains microprocessor, analogue to digital electronics to convert sensor readings.
Communication to the surface with current loop, RS232 or RS485.

Normal Size Length 520mm Weight in Air 7.2kg Weight in Water 3.0kg Depth rating >3000metres
Compact Size Length 230mm Weight in Air 2.4kg Weight in Water 2.0kg Depth rating >3000metres
Local Power requirement 12-40 volts DC or AC

COMPUTER AND INTERFACE

Computer for data gathering, processing and interface with sub-surface transmitter, in either RS232 or current loop. RS232 interface to navigation computer.

Power requirement 110-240 volts AC 50/60Hz.

PRINTER

Production of Remote and Field plots. Online data printing.
Field report and interim report production.

Power requirement 110-240 volts AC 50/60Hz.

