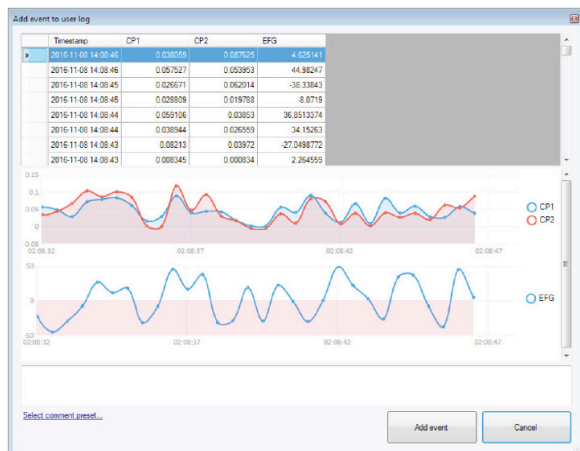


DEEPWATER

POLATRAK SURVEY™

SUBSEA CATHODIC PROTECTION SURVEY SOFTWARE



LOG RICH DATA IN REAL-TIME

Deepwater's Polatrak Survey™ subsea cathodic protection survey software creates a richer CP profile, allowing for real-time data logging from classic, swain, or remote probes and comes with all digital Deep C Meter™ 3000 AD probes.

Log custom events with use of the Deep C Meter 3000 AD, The Swain Meter™, AquaMER™, and Polatrak EFG inspection tools.

POLATRAK DEEP C METERTM 3000 AD AND EFG ACCURACY

The Deep C Meter is the premier ROV cathodic-protection survey system for use in deep water, designed for rugged service on a work-class ROV. The unit fully integrates with ROV systems for power and data transfer, can operate as a visual inspection unit, all with no interface with the ROV umbilical. It's rated to 3000 m depths, and each one is built and tested in Deepwater's Houston manufacturing facility.

A Polatrak electric field gradient (EFG) measurement device provides a contactless method of determining anode activity and of measuring electric fields in seawater.



DEEPWATER

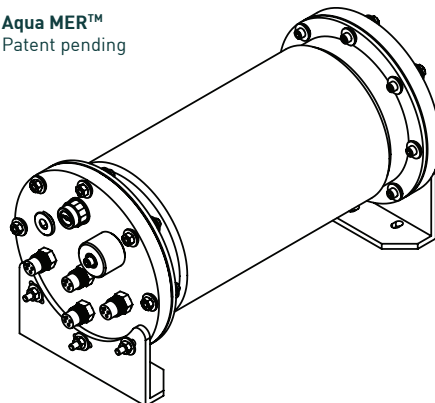
Polatrak Survey™ Subsea Cathodic Protection Survey Software

SWAIN METER™ AND AQUAMER™ PROBE CAPABILITIES

The Swain Meter Probe allows the use of the Swain Meter Submersible ROV Amp-clip system. This system comprises an Aqua MER digitizer bottle and a hydraulically actuated ROV mounted amp clip. The Aqua-Mer sends a continuous data stream to the Polatrak Survey software.

Instantaneous values can be recorded using the event button, and time stamped continuous data will be automatically logged to the continuous data log, if clamping on and actuating a circuit for troubleshooting purposes.

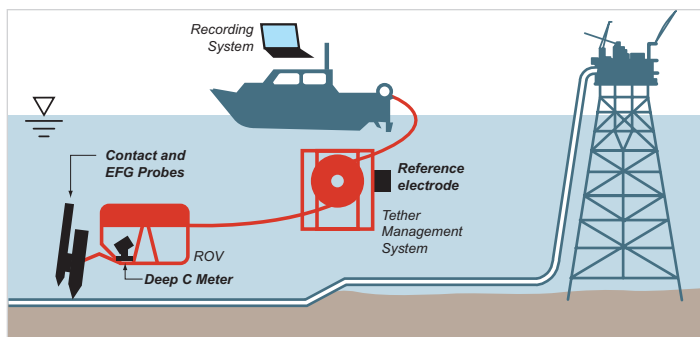
Aqua MER™
Patent pending



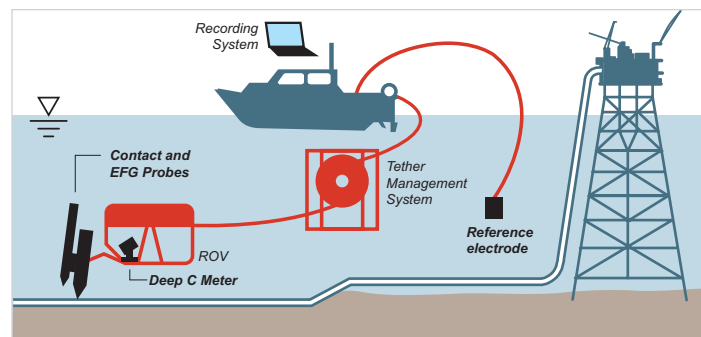
ADD THE REMOTE ELECTRODE KIT FOR ADDITIONAL REMOTE INSPECTION CAPABILITIES

The Polatrak Remote Electrode Kit upgrades the Deep C Meter with EFG and ROV-II to perform "remote electrode" pipeline surveys (also known as "three electrode", "remote variance" and "close interval" surveys). This kit is compatible with any AD series Deep C Meter™ and requires at least one copper signal wire from the remotely operated vehicle (ROV) to either the tether management system (TMS) or the survey vessel.

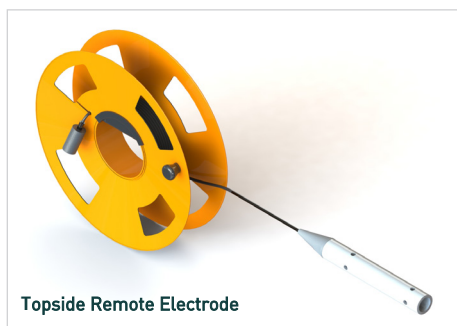
With the remote electrode kit installed, the polarity of the first display line is reversed and the second display will now report the remote potential variance while traversing the pipeline. The kit contains one Topside Remote Electrode, a TMS Remote Electrode, and one Y-Splice.



TMS Remote Electrode Survey



Topside Remote Electrode Survey



Topside Remote Electrode



TMS Remote Electrode



Y-Splice