

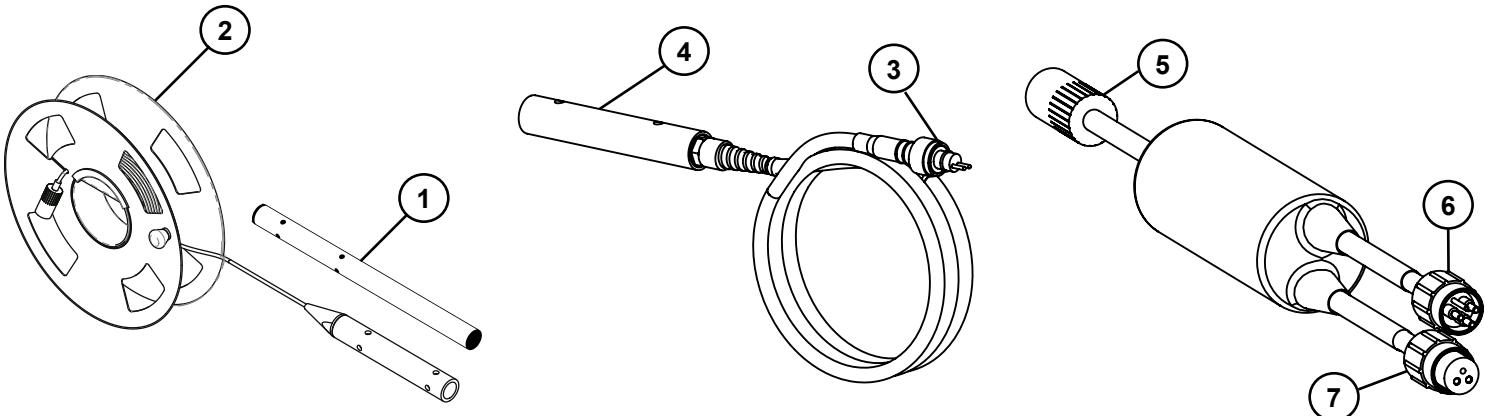
# DEEPWATER

## Remote Electrode Survey Kit

### General

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 one Y-Splice and various adapter cables.



### TOPSIDE REMOTE ELECTRODE

#### Electrode Elements\*

Remote Electrode Kit has two electrode elements.  
**Ag/AgCl (Silver /Silver Chloride)**

Material Ag/AgCl with silver wire  
Accuracy +/- 5 mV  
Application Seawater

\*Ag/AgCl elements provided as standard.

#### Subsea Connector

Type MCIL2M  
Pin 1 Element 1  
Pin 2 Element 2

#### Weighted Electrode Housing (Item 1)

Features Free-flooding housing  
Material Grey PVC  
Ballast 2 lbs lead shot  
Dimensions Ø 1.32" x 18"  
[ Ø 33.6 mm x 457 mm ]  
Weight 2.5 lb [ 1.14kg ]

#### Cable Reel with Cable (Item 2)

Reel Material PVC  
Cable Sheath Polyurethane  
Length 100 ft [30 m]  
Dimensions ø13" x 4"  
[ ø 330 mm x 102 mm ]  
Weight 4.0 lb [ 1.82kg ]

### TMS REMOTE ELECTRODE

#### Electrode Elements\*

Remote Electrode Kit has two electrode elements.  
**Ag/AgCl (Silver /Silver Chloride)**

Material Ag/AgCl with silver wire  
Accuracy +/- 5 mV  
Application Seawater

\*Ag/AgCl elements provided as standard.

#### Subsea Connector

Type RMG2M  
Pin 1 Element 1  
Pin 2 Element 2

#### Electrode Housing (Item 4)

Features Free-flooding housing  
Material Grey PVC  
Internal Electrode elements  
Dimensions Ø 1.32" x 10.56"  
[ Ø 33.6 mm x 268 mm ]  
Dimensions (Cable) 70" whip [ 1778 mm ]  
Weight (air) 1.5 lb [ 0.68 kg ]

#### Offshore Case

Dimensions (W x H x L) 22.92" x 17.98" x 11.55"  
[ 582 x 457 x 293 mm ]  
Packaged Weight 28 lb [ 12.7 kg ]

### Y - SPLICE

#### Specifications

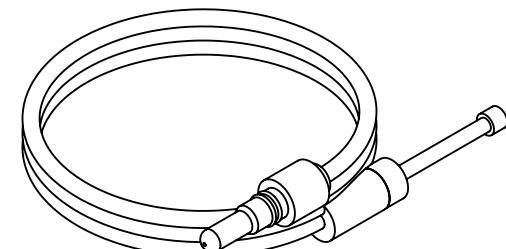
Operating Temp 1C to 40C [ 34F to 104F ]  
Voltage Range -2.5V to 2.5V

#### Interface

Connection 1 (Item 5) MCIL 3F (To Deep C Meter)  
Connection 2 (Item 6) MCIL 3M (To ROV II)  
Connection 3 (Item 7) MCIL 2M (To Remote Electrode)  
Dimensions Ø 2" x 36"  
[ 50.8mm x 914mm ]  
Weight (air) 1 lb [ .45kg ]

#### Standard kit components

2 EA Remote Electrode Cable  
1 EA ROV MUX Cable (Not Shown)  
All connectors provided with dummy plugs.



Remote Electrode Cable