

### Polatrak ROV II

#### General

Polatrak ROV II is a self-contained ROV-mountable or diver-operated cathodic protection meter/probe. The unit allows the operator to probe a submersed structure to determine its electrochemical potential. Features twin reference electrodes and dual ultra-bright digital readouts (when using Polatrak's Deep C Meter).

#### Electrode elements\*

ROV II has two electrode elements which are interchangeable to suit specific water environments

#### Ag/AgCl (Silver/Silver Chloride)

**Material** Ag/AgCl with silver wire core  
**Dimensions** Ø 0.3" x 1.8"  
 [ Ø 8 mm x 45 mm ]  
**Accuracy** ± 5 mV  
**Applications** Seawater

#### Cu/CuSO4 (Copper/Copper Sulphate)

**Material** Cu/CuSO4 with copper wire core  
**Dimensions** Ø 0.3" x 1.4"  
 [ Ø 8 mm x 36 mm ]  
**Accuracy** ± 5 mV  
**Applications** Fresh water / Slightly brackish water

\*Ag/AgCl elements provided as standard

#### Specifications

**Depth rating** 3,000 m  
**Operating temp.** 1°C to 40°C [34°F to 104°F]  
**Voltage range** 0 mV to -1999 mV

#### Standard kit components

Zn calibration coupon, spare electrode, tips, spare screws. Additional spares and replacements are available upon request.

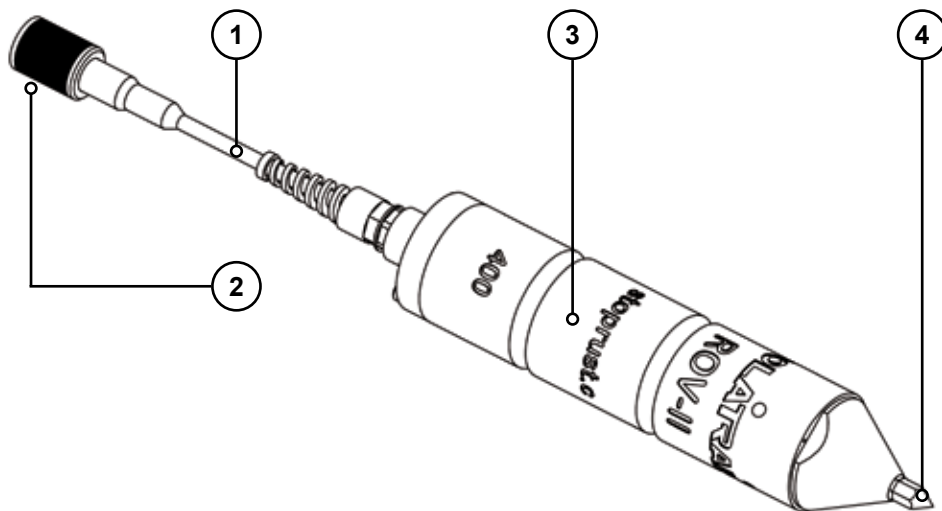
#### Overall weights & dimensions

##### ROV II

**Dimensions** 2.25" x 2.25" x 11.5"  
 (W x H x L) [ 57 x 57 x 292 mm ]  
**Weight (air)** 6.5 lb [ 2.9 kg ]  
**Weight (water)** 1.5 lb [ 0.7 kg ]

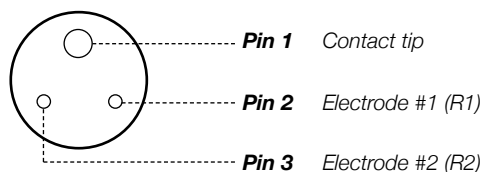
##### Offshore carrying case

**Dimensions** Ø 4.5" x 20.75"  
 (W x H x D) [ Ø115 x 525 mm ]  
**Packed weight** 7 lb [ 3.2 kg ]



#### Connection cable (Item 1)

**Material** Polyurethane sheath  
**Dimensions** 0.56mm C12  
**Wire** 18 AWG / 3 conductor  
**Mating connector** Seacon RMG-3FS (Item 2; wiring diagram below)



#### Main body (Item 3)

**Features** Free-flooding housing  
**Material** Black Delrin  
**Internal components** Electrode elements, contact tip and a wiring harness  
**Dimensions** Ø 2.25" x 8.0" (Ø 58 mm x 203 mm)

#### Contact tip (Item 4)

**Material** SS316 pointed tip  
**Dimensions** 60° Point, 0.75" (19 mm) long, 0.38" (10 mm) A/F  
**Features** Fully replaceable