

Technical datasheet

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.

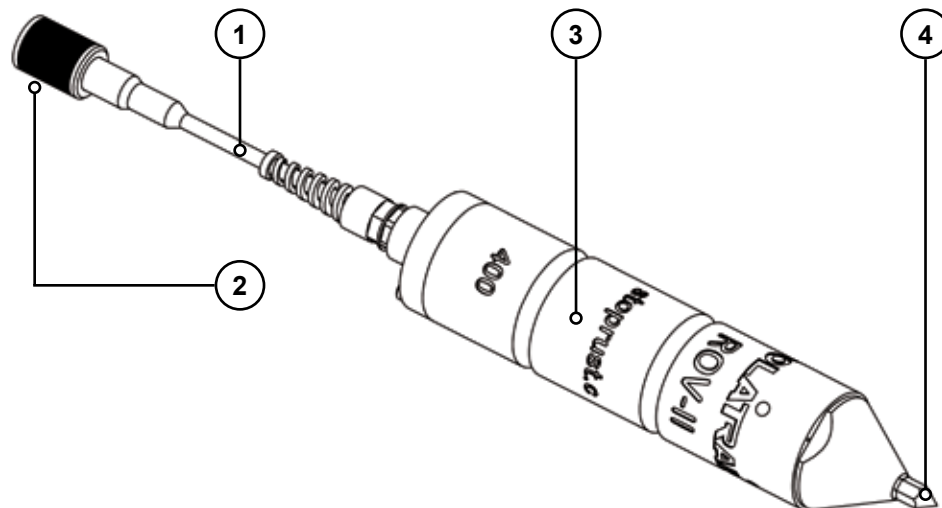
Overall weights & dimensions

ROV II

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

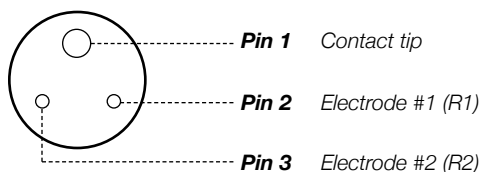
Offshore carrying case

Dimensions (W x H x D)	Ø 4.5" x 20.75" [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