

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

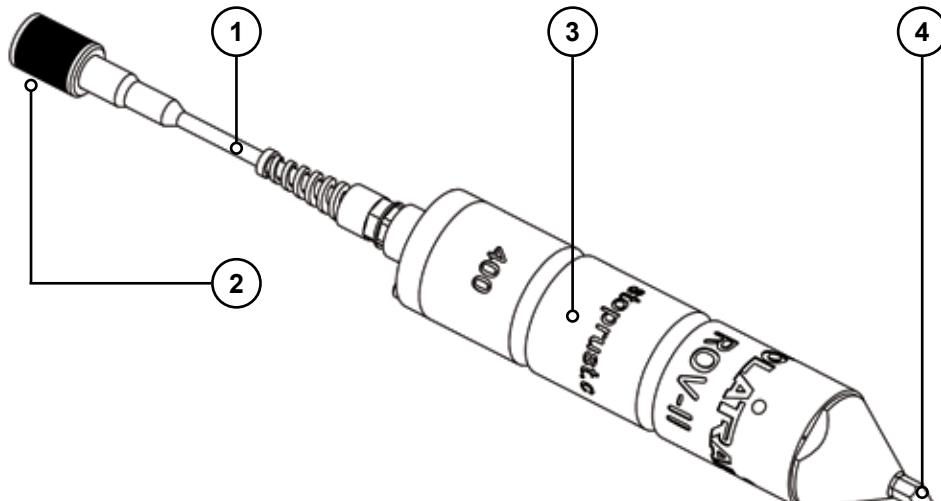
Cu/CuSO4 (Copper/Copper Sulphate)

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



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

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"
[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"
[Ø115 x 525 mm]
Packed weight 7 lb [3.2 kg]