

DEEPWATER

Polatrak EFG probe

General

Polatrak's EFG Probe is a diver-operated or ROV-mountable cathodic protection probe. The unit allows the operator to probe a submerged structure to find coating damage and calculate remaining anode life. Features twin reference electrodes. Becomes part of a self-contained ROV survey unit when used with Polatrak's Deep C Meter and Deep C Meter 3000 AD, which have ultra-bright subsea digital readouts.

Electrode elements*

EFG 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/CuSO ₄ 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

Spare electrode, spare screws. Additional spares and replacements are available upon request.

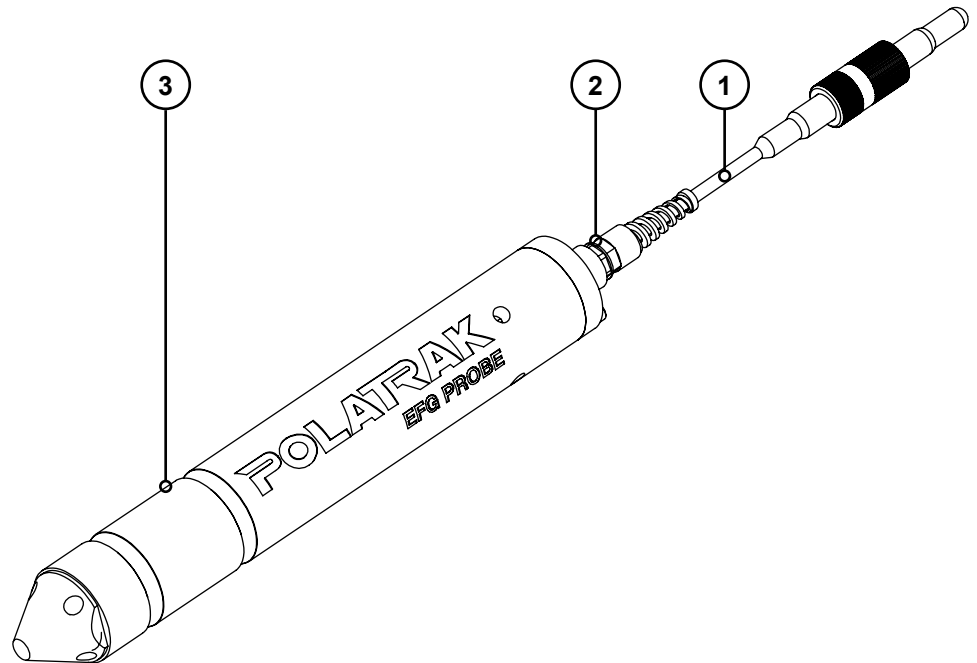
Overall weights & dimensions

EFG

Dimensions (W x H x L)	2.25" x 2.25" x 17" [57 x 57 x 432 mm]
Weight (air)	6.5 lb [2.9 kg]
Weight (water)	1.5 lb [0.7 kg]

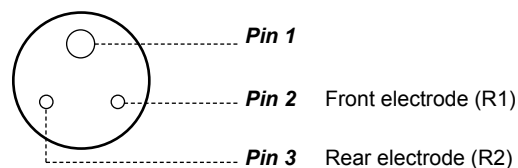
Offshore carrying case

Dimensions (W x H x D)	Ø 4.5" x 20.75" [Ø115 x 525 mm]
Packed weight	8 lb [3.6 kg]



Connection cable (Item 1)

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



Main body (Item 3)

Features	Free-flooding housing
Material	Black Delrin
Internal components	Electrode elements and a wiring harness
Dimensions	Ø 2.25" x 14.0" (Ø 58 mm x 394 mm)