



RE-5C Portable Cu/CuSO₄ Reference Electrode

APPLICATION

- **Copper/Copper Sulfate Reference Electrode** with rugged ceramic plug has a conical shaped surface (RE-5C), designed for use in soft soils.
- High purity copper rod and robust Lexan tube.
- Electrode has a transparent "window" to view the condition of the saturated copper sulfate solution.
- The saturated copper sulfate solution is prepared (inside the Lexan tube) by the end user, according to the provided instructions.
- Supplied with a charge of copper sulfate crystals inside the Lexan tube.

MATERIAL SPECIFICATION

Electrode Element	High Conductivity Copper to HD HC C101 specification
Electrode Media	CuSO Crystals or Specially formulated CU ₂ O Gel
Body	Polypropylene end cap and Polycarbonate Lexan tube
Conductive Tip	Specially formulated Ceramics

PERFORMANCE DETAILS

Operating Life	Indefinite when following manufacturer's instructions
Shelf Life	Indefinite when following manufacture's instructions
Stability	+ or - 5mV at 5µA
Temperature Range	0 - 75° C (32 - 167° F)

DIMENSIONAL DATA

Electrode Body Diameter	36 mm (1.4") over the cap
Electrode Body Length	172 mm (6.75") without cable tail
Nominal Weight	141.7g (5.0 oz)

CABLE TAILS

Standard Specification	Male 1/4-20 Threaded End with Thumb Nut
Manufacturer Note	Connector Mates directly with MCM data probes and submersible adapters.

