



CORROSION CONTROL

Technical Datasheet

PERMANENT PRE-PACKAGED REFERENCE ELECTRODE AND COUPON

Copper-Copper Sulfate (Cu|CuSO₄)

This half cell comprises a terracotta hand made container housing copper sulphate crystals and copper electrodes. Unique semi permeable design ensures excellent electrode/earth interface connection under most conditions.

Under extremely high resistivity conditions the use of low resistivity back fill is recommended.



- Size: 150 mm diameter by 300 mm long
- Packaging: 75 % gypsum, 20 % bentonite and 5 % sodium sulphate
- Overall size: Approx. 230 mm diameter by 410 mm long.
- Weight: Approx. 25 kg gross
- Cable tail: Standard 10 m of 10 mm² XLPE/PVC or other cable tail if required.
- Design Life: 20 years.
- Stability: +/- 5 millivolts
- Temperature Range: 0 °C to 55 °C

BAC Coupon

BAC coupon is specially designed to take IR free measurements and consists of:

- Carbon steel disc with exposed area of 50 cm². Other areas available upon request.
- Mounted in polycarbonate box with dimensions of 110 x 100 x 50 mm.
- Cable connection by welded threaded bolt, lug, washers and nut all epoxy resin encapsulated.
- Cable tail: Standard 10 m of XLPE/PVC - Other cable types and lengths available upon request.
- Coupon to be located as close to permanent reference electrode as possible (not more than 300 mm) and in same backfill as pipeline.