

## CU6 Permanent Cu/CuSO<sub>4</sub> Reference Electrode

### APPLICATION

The Refine™ CU6 'Side Sensor' is an advanced under tank cell, the result of over 70 years of experience and many thousands of hours of testing, research and development. The unique side reading body, ion trap and element design combine with in-built polarisation coupon to give market leading accuracy, stability and performance levels. The coupon can be used to take IR free potentials without using a current interrupter on the CP system. These cells are ideal for direct installation into soil or sand and will provide superb performance without using backfill materials.



### Permanent Cu/CuSO<sub>4</sub> Reference Electrode

#### MATERIAL SPECIFICATION

Electrode element	High conductivity copper to HD HC C101 specification
Electrode media	Specially formulated Cu/SO <sub>4</sub> matrix
Body	Formulated high temperature fired ceramics

#### PERFORMANCE DETAILS

Operating life	Minimum 25 years if handled & installed to manufacturer's specifications
Shelf life	Indefinite when following manufacturer's recommendations
Stability	+ or - 5mV at 5μA
Temperature range	0 - 75°C (32 - 167°F)

#### DIMENSIONAL DATA

Electrode body diameter	36mm (1.4")
Electrode body length	200mm (7.9")
Nominal weight	180 to 200 grams (6.35 to 7.1oz)

#### CABLE TAILS

Standard specification	3 x 2.5mm <sup>2</sup> (14 AWG) PVC/PVC stranded copper conductor 25m long with black insulation or as per clients specification
You specify	Cable tail fitted to your requirements
You fit	Separate work instruction provided with encapsulation kit

#### QA/QC DETAILS

Traceability	Fully traceable calibration certificate provided
Tested Vs SCE	+50 to +70mV vs saturated calomel electrode tested in distilled water