

RefineTM ±

Reference Electrodes



PORTABLE CuCuSO_4 REFERENCE ELECTRODES JR1 AND JR2

Whether you're surveying in the desert, monitoring in the field or testing in the laboratory, the RefineTM "JR" series of portable reference cells offer a reliable, rugged and accurate product that never lets you down. Precision engineered to work with all existing field equipment on the market today and with a range of tips and choice of gel or solution fill.

Let "JR" do the hard work for you.....



“Designed with
potential in mind”

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PORTABLE Cu/CuSO₄ REFERENCE ELECTRODE JR1 AND JR2

Materials Specification :

Electrode Element	High conductivity copper to HD HC C101 to BS EN 133/62
Electrode Media	CuSO ₄ crystals mixed with distilled water or gelatine charge
Body	End caps: acetal homopolymer Tubular cell container: thermoplastic polycarbonate resin
Conductive Tip	Specially formulated ceramic

Performance Details :

Operating Life	Indefinite, with correct handling
Shelf Life	Indefinite, under correct storage conditions
Temperature Range	0 – 60 °C (32 – 140 °F)

Dimensional Data :

Electrode Body Diameter	36 mm (1.4") over end caps
Electrode Body Length	180 mm (7") without cable tail
Nominal Weight	160 grammes (5.6 oz) without electrode media or cable

Cable Tails :

As Standard	1 x 2.5 mm ² (14 AWG) EPR/CSP, stranded Cu conductor 5 m long
You Specify	Cable tail fitted to your requirements
You Fit	Your cable tail crimp connector must have 6 mm (0.25") palm hole

Additional Information:

Select JR1 cell (conical ceramic tip) when taking measurements on general soils and sands.

Select JR2 cell (flat ceramic tip) when taking measurements on hard surfaces such as tarmac and concrete. Best results obtained where surface is wetted and a temporary wetted sponge is placed and fitted over the ceramic tip of the cell.

The JR1 and JR2 electrodes should be calibrated on a regular basis to ensure accuracy and the media should be replenished when spent.