

AG8 Portable Ag/AgCl Reference Electrode

APPLICATION

The Refine™ AG8 concrete mapping reference electrode kit is simple yet effective for potential measurements on concrete surfaces. Ideal on structures and surfaces such as bridge decks, buildings, and caissons at initial site survey and design stages, it also works well for ongoing spot point monitoring. A portable Ag/AgCl reference electrode screws into a sponge-filled well chamber that provides a large, moist contact area ideal for such applications.



Permanent Reference Electrode for Concrete Mapping

MATERIAL SPECIFICATION

Electrode element	99.9% pure silver wire with a sintered sensing element
Electrode media	KCL solution, 0.5 molar rating as standard
Body	Acetal homopolymer
Conductive medium	Specifically formulated ceramic

PERFORMANCE DETAILS

Operating life	Indefinite if handled & installed to manufacturer's recommendations
Shelf life	Indefinite when following manufacturer's recommendations
Temperature range	0 - 75°C (32 - 167°F)

DIMENSIONAL DATE

Electrode body diameter	32mm (1.25") (sensing head 100mm diameter)
Electrode body length	200mm (7.9")
Nominal weight	120 grams (4.23oz) excluding cable tail or sponge crucible

CABLE TAILS

Standard specification	25mm ² (14 AWG) EPR/CSP single core stranded conductor 15m long with blue insulation
You specify	Cable tail fitted to your requirements

QA/QC DETAILS

Traceability	Fully traceable calibration certificate provided
Tested Vs SCE	-5 to 25mV vs saturated calomel electrode tested in distilled water with 3.3% NaCl by weight