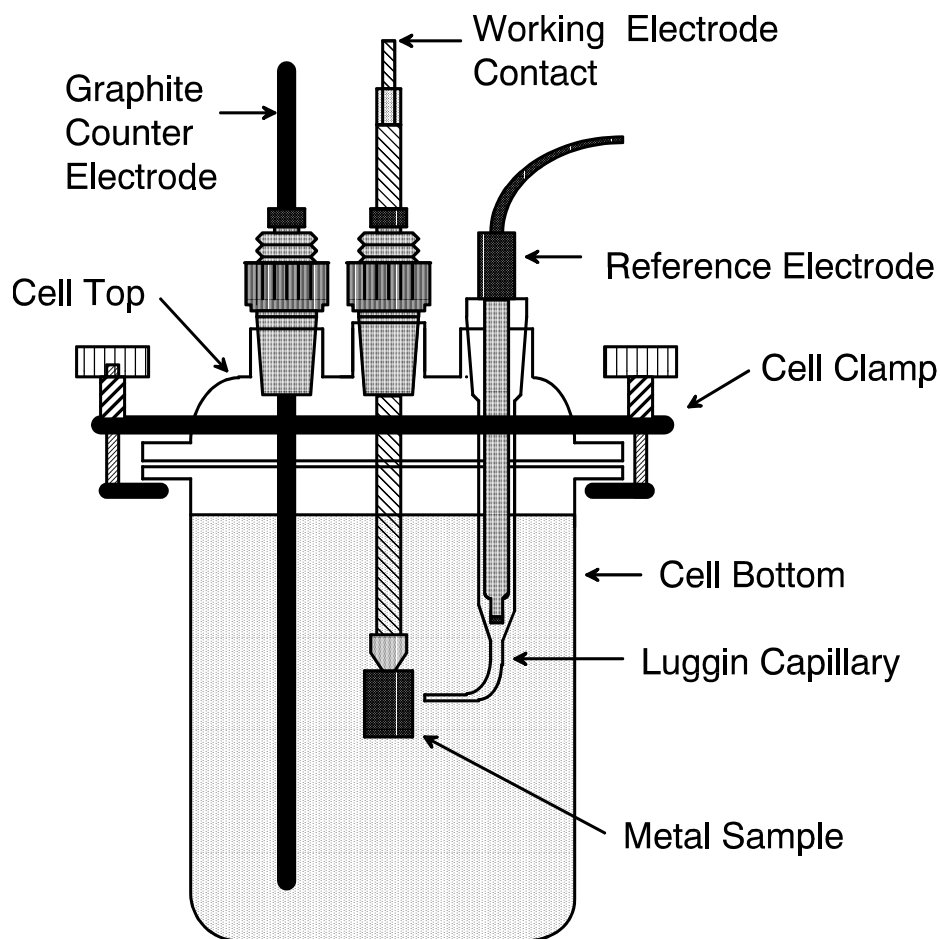


CCK™ Corrosion Cell Kit



Cell Description

This cell is based on a standard 1 liter glass reaction flask. The cell top has four 24/40 standard taper holes. Three of the holes are equipped with Teflon tubing adapters.

In the normal cell configuration, one adapter holds the cylindrical working electrode in the top's central hole. Other adapters hold the graphite rod counter electrode and a gas dispersion tube. A glass Luggin capillary fits in the final hole. The SCE reference electrode supplied with the cell fits into the upper portion of this Luggin capillary as shown above.

Because this cell uses standard joints and fittings, it can easily be customized for specific applications. For flat materials, add the Flat Specimen Holder (Part No. 990-80).

Specifications

Dimensions

Volume	1 liter maximum 750 ml approximate in normal use
Size	Approximately 14 cm diameter by 30 cm high including electrodes and adapters

Metal Specimen

Size	Metal Cylinder 3/8" (0.95 cm) diameter by 1/2" (1.27 cm) length
Thread Size	UNF 3-48 Tapped Hole
Commercial Part	P/N 410 Series (available in a variety of metals) Metal Samples Inc. P.O. Box 8 Munford, AL 36268 USA Phone: (256) 358-4202 Fax: (256) 358-4515

Reference Electrode

Type	SCE with porous Vycor junction
Size	8 mm diameter by 15 cm length

Counter Electrode

Type	High Density Graphite Rod
Size	6 mm diameter by 25 cm length

Chemical Compatibility

Wetted Materials	Pyrex, Teflon
Non-Wetted Materials	Above, plus stainless steel and polypropylene

Parts Supplied

Quantity	Description	Quantity	Description
1	Manual, Corrosion Cell	1	Adapter, 24/40 to 6 mm Tube, Teflon
1	Corrosion Cell Bottom, Pyrex	2	Adapter, 24/40 to 8 mm Tube, Teflon
1	Corrosion Cell Top, Pyrex	1	Tube, Cylindrical Specimen Holder, Pyrex
1	Corrosion Cell Clamp, Metal	1	Rod, Cylindrical Specimen Holder, S.Steel
1	Reference Electrode, SCE	2	Compression Gasket, Teflon
1	Luggin Capillary, Glass	2	Centering Washer, Polypropylene
1	Gas Dispersion Tube, Pyrex	1	Standoff, Hex 8-32 x 1/2", S. Steel
2	Graphite Rod, Counter Electrode	2	Cylindrical Specimen, C1018 Mild Steel

