

Flat Cell Kit

Model K0235

The practical design of the Model K0235 Flat Cell makes it simple and easy to use for corrosion and/or coatings research. It can accommodate a wide range of electrode sizes, eliminating the need for machining or special mechanical procedures. It disassembles quickly and easily, operates with a 250mL sample volume and simplifies electrochemical corrosion measurements. The Kit includes:

2517-1343A	Clamping Screw	2517-1345A	Shoe Assembly
222594	Clamping Frame	2811-0280-0	Screw (#10-32) SS
2806-0086	Nut, Rivnut	MP1239	Gasket, TFE
2800-0042	Resting Foot	800877	Screw (#4-40) SS x 3/8"
219806	Sample End Cap	OR0142	Gasket, Viton
219808	Glass Cylinder	3100-0094-0	Tubing, Tygon
2805-0043	Drain Plug	219995	Reference Electrode
2805-0044	Rubber Well Plug	232117	Tubing, TFE
219810	Counter Electrode	230213	Cap and Silicon Tubing



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The Flat Cell is constructed of a Pyrex™ glass cylinder body with polypropylene end caps. The Flat Cell's sample holder can accommodate test electrodes ranging from 3/4-in. (19-mm) diameter discs to 6 × 6-in. (152 × 152-mm) flat panels. In fact, virtually any size specimen can be used, provided it is flat and less than 3/8 in. (9.5 mm) thick.

Specifications

• Dimensions

- Cell Volume - 250 mL
- Working to Counter Electrode Distance - 80 mm
- Working Electrode Area - 1 cm² (standard)
- Luggin Well Dimensions - 12 mm diameter x 60 mm deep
- Luggin Well Volume - 5 mL

• Characteristics

- pH range - 2 to 9
- Temperature Limit - 80°C
- Working Electrode Area - 1 cm² (standard)
- Luggin Well Dimensions - 12 mm diameter x 60 mm deep
- Luggin Well Volume - 5 mL

• Materials

- Glass Cylinder - Pyrex
- End Plates - Polypropylene
- Sealing Gaskets - Viton
- Luggin Capillary - Teflon
- Reference Electrode - Ag/AgCl
- Reference Electrode Filling Solution - sat AgCl/ sat KCl
- Counter Electrode - Platinum mesh
- Sample Gasket - Teflon

