

## > IP-U-CCG-FS250: 250 ML CORROSION CELL FOR FLAT SAMPLES

The **IP-U-CCG-FS250** is a fully equipped, horizontally mounted corrosion cell set-up that can be used with any Potentiostat / Galvanostat / Impedance Analyzer in the world. Rather than a dedicated sample holder, the sample coupon can be easily mounted or replaced onto the cell in less than 10 seconds. This set-up heavily suits the corrosion scientists, analysts and researchers that have a high through-put requirement for conducting analysis on coupons with square, rectangular, circular, or any other shapes. The construction is typically gas-tight, has dedicated ports for electrode insert, and is also available in a jacketed version for thermal control. For more customizations, we can offer the entire set-up in acrylic material in case of very harsh or rough environments.



**Coupon Dimensions:** The available exposed surface area for square or circular coupons is 1 cm<sup>2</sup> Minimum requirements: Circular (16 mm diameter) or Square (4 mm x 4 mm). Thickness requirements: 0.5mm to 8 mm.

**Available Volumes:** 500 mL

**Customization Options and Various Cell Types:** We can offer three different variations in flat cell set-up.

1. Basic Glass Type Configuration Without Thermal Control: A basic configuration without an outer jacketed vessel for thermal control.
2. Glass Type Jacketed Flat Cell: A more advanced jacketed flat cell with thermal control between 3 deg. C to 90 deg. C.
3. Acrylic Flat Cell: A complete acrylic made flat cell set up to avoid corrosion of internal parts specially made for highly corrosive electrolytes and / or corrosive atmospheres.

**Includes:** A 250 mL glass reservoir, 6 mm diameter graphite rod counter electrode, a stainless-steel SS430 coupon for sample analysis, lugging capillary and all the other accessories for plug n play analysis.

### Related Applications:

- All types of EC based corrosion analysis for square, rectangular & circular coupons.
- High through-put analysis that require fast and easy assembly / disassembly process.
- Corrosion measurements with thermal control between 3 deg. C to 90 deg. C.

### Ordering Information for Recommended Parts:

- IP-U-CCG-FS250: 250 mL Corrosion Cell for Flat Samples
- IP-U-CCG-WJ-FS: Water Jacketed Corrosion Cell for Flat Samples
- MF-2052: Ag/AgCl (3M NaCl) Reference Electrode with Flex. Connector
- MW-4131: Graphite Rod Counter electrode
- MW-1033: Coiled Platinum Wire Counter Electrode