

## FCK2 Flat Cell Kit



The Flat Cell Kit(FCK2) was designed to evaluate plate material such as metal, semi-conducting plate, etc. A sample plate will be placed one sample holder by fixing knob. 300ml solution volume can be used in this test cell kit. Water jacketed version and normal version are available.

Graphite plate as a counter electrode, which is placed in one side of the cell, is included while a reference electrode should be purchased separately. A Luggin capillary is also included. Instead of graphite plate, the Platinum wire is also used as counter electrode by putting through either of the ports on cell body.

You can select PTC1 or PTC2 plate test cell kit for small solution volume. Please refer to the PTC1 & PTC2 brochure.

### Features

- Ideal for testing of flat specimen
- Easy to use
- Fast and easy disassembly
- Detachable counter electrode
- 2 kinds of opening area

### Applications

- Polarization test
- Galvanic corrosion
- Electrochemical noise measurement
- EIS measurement
- Cyclic voltammetry

## Specifications

---

### Sample test area

One side	1 cm <sup>2</sup>
The other side	5 cm <sup>2</sup> , normally for counter electrode or 1 cm <sup>2</sup> , upon request

### Sample thickness

Up to 20 mm

### Cell volume

300 ml

### Operating temperature

Up to 90°C

### Material

Cell body	Pyrex®
Cell end	Polycarbonate
O-ring	Viton®

## Parts Included

---

- |                     |       |
|---------------------|-------|
| 1. Graphite plate   | GR001 |
| 2. Luggin capillary | G0102 |

## Optional Items

---

- |   |      |
|---|------|
| 1. Saturated Calomel Reference Electrode<br>- 9mm OD, KT glass frit | 1001 |
| 2. Ag/AgCl Reference Electrode<br>- 9mm OD, KT glass frit           | 1004 |



left : Water-jacketed type, **WFCK2**