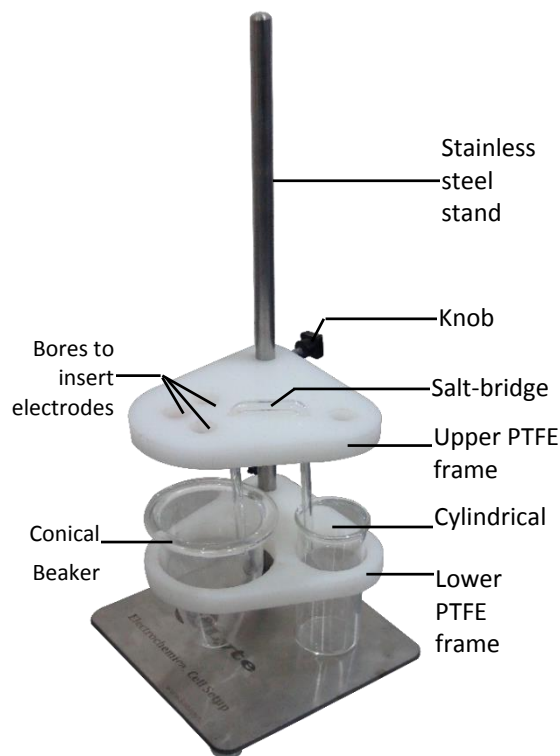


## Electrochemical Cell Set-up

KEC01

### Electrochemical Cell Setup

The electrochemical cell setup is suitable for most of the electrochemical measurements in a liquid environment (0°C-100°C). This cell setup can be used for electrochemical measurements either in two or three-electrode configurations. The rigid polypropylene (PP) frame allows the user to maintain a fixed distance among all the electrodes. It also provides flexibility to manipulate the depth of immersion for different electrodes. This setup comes with the provision of attaching a reference electrode in a separate compartment via a salt-bridge.



**Figure 1:** Different parts of electrochemical cell setup

The electrochemical cell setup includes the following parts which require assembly before performing experiments (Figure 1).

- One conical borosilicate glass beaker (bottom cell), that can hold up to 100 mL.
- One cylindrical borosilicate glass beaker that can hold up to 100 mL.
- One PP frame to hold the above two glass beakers.
- Another PP frame to hold the electrodes and salt-bridge: Total four bores on this frame to lock 14/23 joint (compatible to all Kanopy electrodes) and two small bores to hold the salt-bridge.
- A salt-bridge glass tube.
- One stainless steel stand to attach all the cell setup components.



**Figure 2:** An application image. (Electrodes and cables should be purchased separately)

## Optional accessories

### Reference electrodes

Different kinds of Kanopy reference electrodes are available. One can choose any of these according to the reaction conditions such as acidic, basic, or neutral and operating temperature range.

**KRE01** Silver-Silver Chloride (Ag/AgCl) electrode

**KRE03** Mercury-Mercurous Chloride (Hg/Hg<sub>2</sub>Cl<sub>2</sub>) or Saturated Calomel Electrode (SCE)

**KRE04** Mercury-Mercuric oxide (Hg/HgO)

**KRE06** Silver-Silver ion non-aqueous electrode

### Platinum electrodes (working and auxiliary)

**KWE01** Platinum wire electrode

**KCE01** Platinum mesh electrode

**KCE02** Platinum coil electrode

**KWE03** Platinum foil electrode

### Disc type electrodes (working)

**KDE01, KDE02** Glassy carbon disc electrode

**KDE03, KDE04** Gold disc electrode

**KDE05, KDE06** Platinum disc electrode

### Working electrode holder

**KWEH01** Working electrode holder, screw type



**KWEH02B** Working electrode holder, clip type





**KEC10A**  
Banana Cable Set



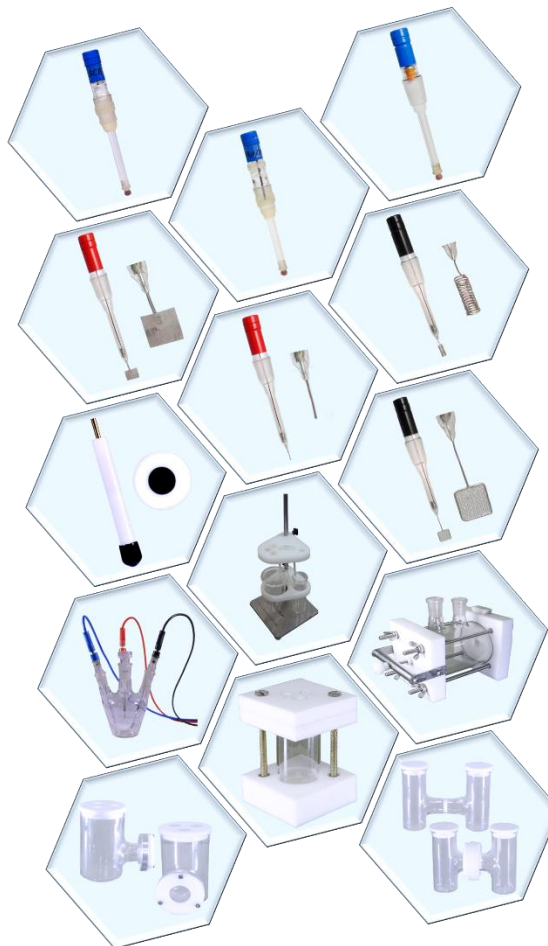
**KEC10B**  
Banana Connector Pin



**KA01 (Red), KA02 (Black)**  
Alligator Clip



**KA28**  
Thermometer



## Kanopy Techno Solutions

Crafting electrochemistry for lives...

### Product Information Leaflet



Electrochemical cell set-up  
Product ID: KEC01

### Contact us



[www.kanopytech.com](http://www.kanopytech.com)



[contact@kanopytech.com](mailto:contact@kanopytech.com)



+91-8604355668, +91-8004567307

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