

## > IP-PECUWC50: FULLY EQUIPPED PHOTO-ELECTROCHEMICAL CELL

The **IP-PECUWC50** is a fully equipped, horizontally mounted and a single compartment kit with an additional quartz window (light input port diameter: 20 mm), water recirculation coil and black acrylic box with lid for studies in photo-based electro-catalysis such as Hydrogen Evolution Reaction (HER). Each cell is capable to hold 50 mL of electrolyte. Set-up is compatible with a power source meter or a Potentiostat / Galvanostat.



- > **Available Volumes:** 25 mL, 100 mL, 250 mL, 500 mL, and 1000 mL
- > **Customization Options:** YES. Horizontal Electrode Input Design Possible; L-Shaped WE
- > **Wet Parts:** Glass & silicon and thus, no limitations due to pH of electrolyte.
- > **Includes:** Glass Reservoir (1), Silicon Septa (2), Silicon Septa b14 (4), Quartz Window - Sample size 25 mm x 25 mm, light input - 20 mm diameter (1), Teflon Support for Quartz Window (2), Spacer for Quartz (1), Grip Nut SS (2), Screw SS (2), Black Acrylic Box with Lid, Light opening Port - Acrylic (1)
- > **Related Applications:**
  - Photo-electrochemical water splitting - HER / OER or any such electrocatalysis applications
  - Photo-based electrocatalysis research
  - Photo-based membrane research: Proton conductivity, Ionic conductivity, membrane efficiency
  - Solar cell research and studies
  - Organic light emitting diodes
  - Semi-conductor research
- > **Ordering Information for Recommended Parts:**
  - IP-PECUWC50: Fully Equipped H-Cell Kit (50 mL Volume) with Thermal Control and Black Lid
  - MF-2052: Ag/AgCl (3M NaCl) Reference Electrode with Flex. Connector
  - MW-1033: Coiled Platinum Wire Counter electrode
  - MF-2012: Glassy Carbon Electrode (3 mm)
  - MF-2024: Working Electrode Holder