

Electodes Slide Glass Cell



The test cell is for analyzing electrochemical research and development of batteries of the cycle tests and the characteristic tests with the impedance analyzer. It is easy to assemble and disassemble so that you can be released from the troublesomeness of the experiment by coin cells. It is assembled easily without giving any damage to the electrode surface unlike the screw (Swagelok cell) type. The test materials are sealed with the Teflon body which has excellent in chemical resistance, and canceled fear of leakage of the electrolyte. It may contact the open air after the assembly within a glove box, it does not influence the test materials.

To slide the electrode holders makes it possible to observe the phenomenon may occur inside of the battery without disassembling the cell in order to apply the quartz glass view port. It contributes to monitor the generating process of the lithium dendrite which may cause the short circuit of batteries.

Specification:

Model No. TKT-1213

- 1) Dimensions : Approx. 120~145mm(W) x 65mm(H) x 45mm(D)
- 2) Material : PTFE body, Quartz glass view ports
- 3) Electrode size : 16mm
- 4) Anode and cathode foils are firmly pressed down to the stainless steel stages by the PTFE fixtures.
- 5) It is sealed with O-rings which has no leakage of the electrolyte.
- 6) Select PP or PTFE fixture depends on the electrolyte.
- 7) The gap between anode and cathode foils is set to approx. 2.5 mm.
- 8) Options : You may select PP or PTFE body.

You may add the reference electrode.