

Cell for Electrode Thickness Changes



Cell for electrode thickness changes consists of an electrode expansion gauge (main body/2E-CELL-ETC) mounted on the floor frame and a support for the digital gauge which measures the variation. The battery elements stopper (plug) comes out of the cell. (It maintains the air-tight condition by O-rings). In case the electrodes expand or shrink, the stopper goes up and down vertically, which pushes the digital gauge to indicate the changes in the thickness of the electrodes during the reaction. Thereby, thickness displacement and the maximum rate of expansion of the electrode at the time of charge and discharge can be measured.

Specification:

Model No. 2E-CELL-ETC-SD

- 1) Material : SUS304
- 2) Cell sizes : CR2016, CR2032
- 3) Battery elements are uniformly pressed down with a spring and a stopper.
- 4) To secure airtightness with O-ring and no leakage of the electrolyte.
- 5) Select PP or PTFE stopper depends on the electrolyte.
- 6) To adjust the pressure applied to Battery elements by the spring pressure.
- 7) Options : You may select the material other than SUS304.

