



Swagelok Cell (Model YT01, YT02)

Description

Swagelok cell can be completely sealed and can be utilized for testing organic systems. For commercial lithium-ion batteries, sodium-ion batteries, potassium-ion batteries, as well as research-oriented organic magnesium-ion, calcium-ion, zinc-ion, aluminum-ion, iron-ion, and copper-ion batteries, it can achieve excellent sealing.

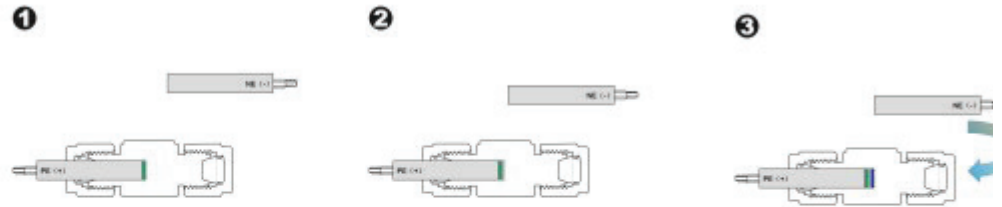
It can also be employed for the testing of lithium-air batteries, and the electrochemical curves are more stable than those of other molds.

It currently has great advantages in supercapacitors and ion batteries, but it is not suitable for air batteries and fuel cells that require gas supply and gas collection.

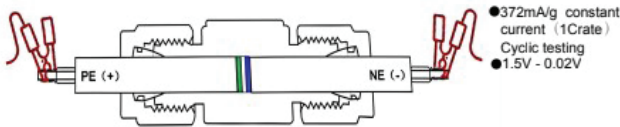
1. YT01 Assembly steps

Materials

- Glass Fiber Separator
- NMC811 Electrode
- Graphite Electrode



2. YT01 Testing



- 372mA/g constant current (1Crate)
- Cyclic testing
- 1.5V - 0.02V

Batteries tested at 23°C

3. YT01 2 - Electrode

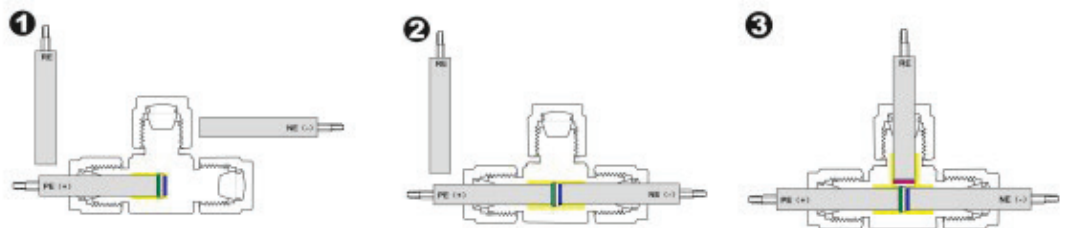
The distance between the two electrodes is less than 0.1mm



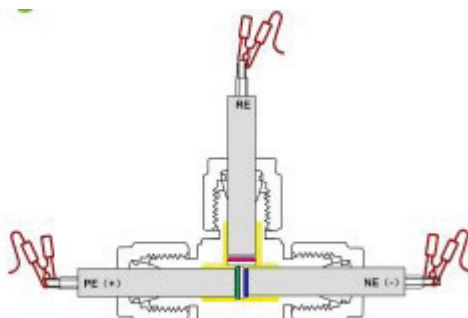
1. YT02 Assembly steps

Materials

- Glass Fiber Separator
- NMC811 Electrode
- Graphite Electrode
- Lithium Chip
- Electrolyte



2. YT02 Testing



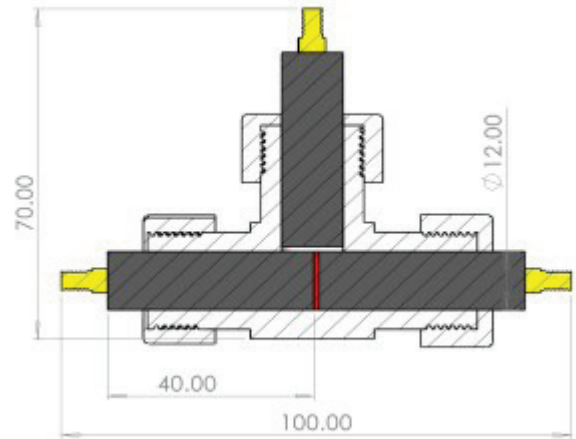
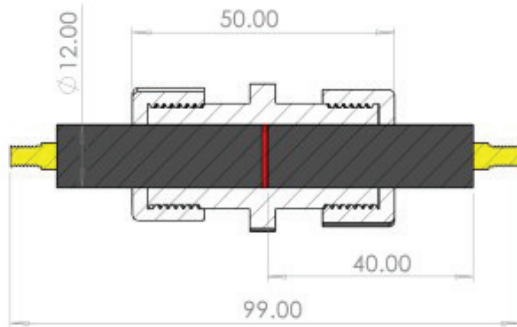
3. YT02 3 - Electrode

The distance between the three electrodes is less than 0.1mm



YT01**YT02**

* YT01, YT02 can be modified according to requirements


SPECIFICATIONS - YT01, YT02

| | |
|-----------------------------|---|
| Interior Diameter | 10-20mm (10-12 are commonly used size) |
| Maximum Working Pressure | 10 MPa |
| Maximum Working Temperature | 200 °C |
| Sleeve Material | Polytetrafluoroethylene (PTFE) |
| Material | Pure Titanium, Titanium Alloy, High-purity Molybdenum |