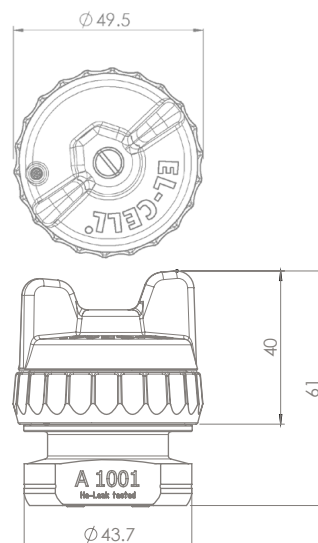




Measurements in mm:



## PAT-Cell

### The ideal test cell for 3-electrode and high-throughput battery testing.

The PAT-Cell is a test cell for 2- and 3-electrode measurements on battery materials. It uses the modular PAT-Core concept and can therefore be used for a variety of test purposes. The cell has no wiring but is inserted directly into a PAT battery tester or connected to any commercially available battery tester / potentiostat via a PAT docking station. The easy handling is further improved by features such as the integrated PAT-Button. This patented, electronic memory in the cell bottom enables automatic cell recognition when the cell is inserted into a PAT battery tester.

The PAT-Cell is equally suitable for automated high-throughput scenarios and small-scale test series.

#### Key Features

- Cableless test cell with all advantages of the PAT-Core
- For long term testing (> 1000 hrs) with two or three electrodes
- Proven cell design for easy handling and fast assembly
- Compatible with aprotic as well as aqueous electrochemistry
- PAT-Button for automatic cell identification in EL-Software

#### Use Cases:

- 2-electrode setup
- 3-electrode setup
- Aprotic and aqueous electrolytes

Product website:



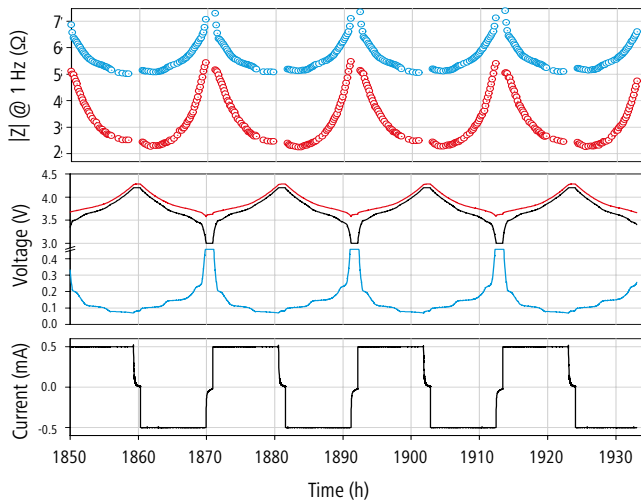
Manual (PDF):



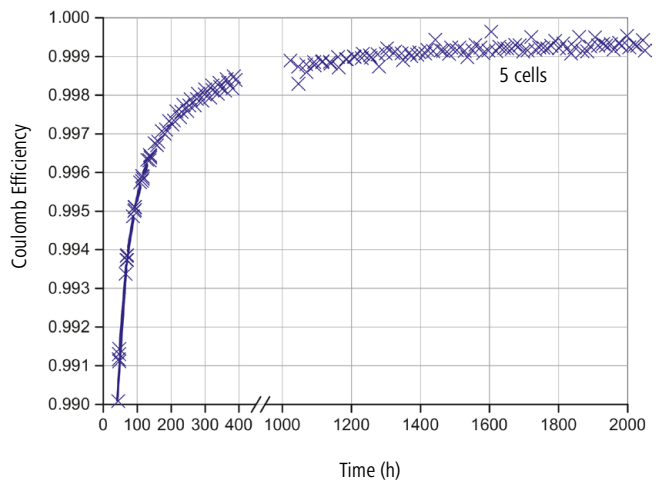
**Specifications**

Height	61 mm
Diameter (Lid)	49.5 mm
Diameter (Cell base)	43.7 mm
Weight	0.4 kg
Separator diameter	21.6 mm
Electrode diameter	18 mm
Operational temperature	-20 to 80 °C

**Sample test results**



Monitoring of half cell voltages over 2000 hours (NCM 111 vs. Graphite, Al seal)

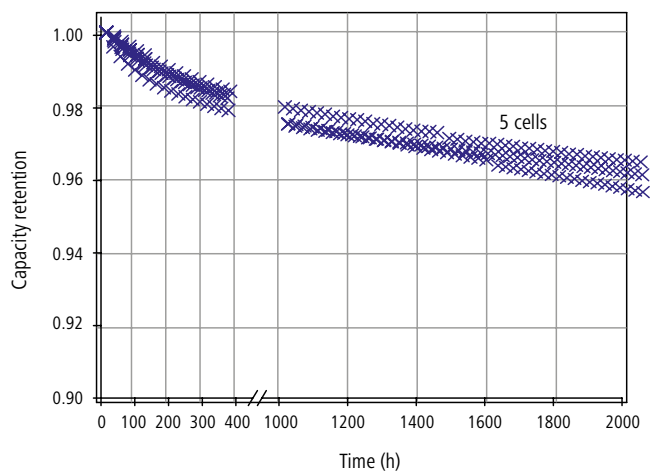


Corresponding Coulomb efficiency

**Available variant: PAT-Cell M**



The PAT-Cell M is equipped with an insulated cell lid for metal seals. Metal lid seals offer very high tightness and are particularly useful for long-term measurements.



Corresponding capacity retention