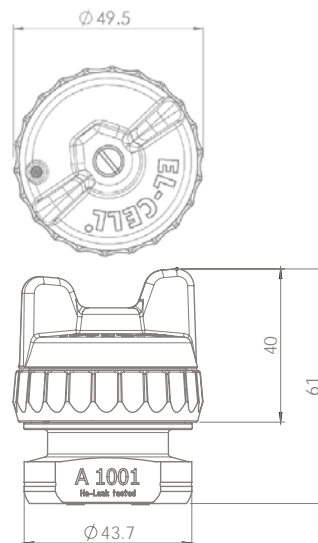




Measurements in mm:



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:



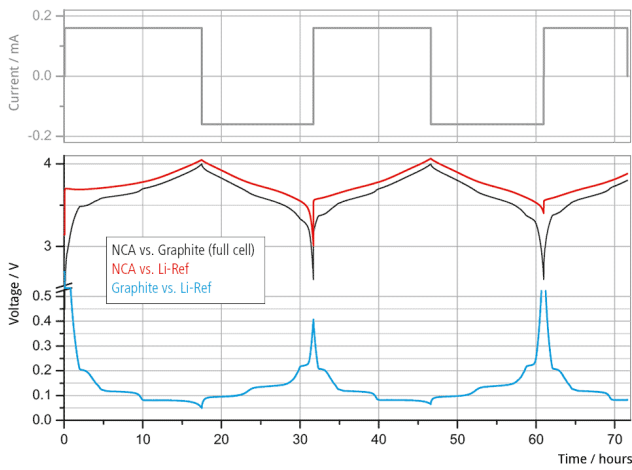
Manual (PDF):



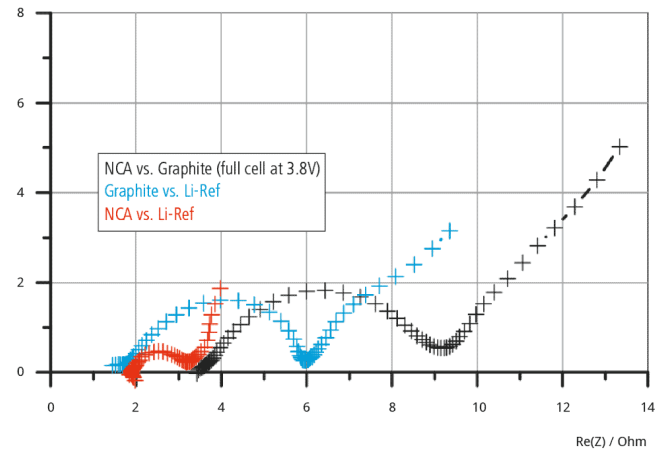
Specifications

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 during the initial cycles of NCA vs. Graphite



Full and half cell impedance spectra of NCA vs. Graphite at a full cell voltage of 3.8V

