

# State-of-the-art battery testing: Using BINDER chambers for testing in Enerlab 4.0



## Applications:

- The exteriors of the storage devices are inspected first, then optical and scanning electron microscopes are used to investigate their interiors.
- Findings are obtained through aging processes that have an impact on both a structural and chemical level. The data is transferred to a digital twin that the scientists can age virtually.
- Six months of continuous operation are required to yield this data, which can then be used to simulate a period of three to five years.

## Customer requirements:

- Small footprint – to fit into a small installation area
- Space-saving solution available
- Customized solutions available, with features such as access ports
- Door-locking mechanism
- Heated pressure relief flap
- Door with window
- Interior illumination

## About the customer:

Enerlab 4.0 at the University of Applied Sciences Offenburg tests lithium-ion energy storage devices. In its battery testing processes, this state-of-the-art laboratory uses several customized cooling incubators with package P, supplied by BINDER INDIVIDUAL.



> Based primarily in the German city of Offenburg, the University of Applied Sciences Offenburg is part of the Baden-Württemberg state group of universities of applied sciences.

## BINDER cooling incubator with package P for performance tests

- Class 2 independent adjustable temperature safety device when temperature is set to 120°C
- Temperature range limited to 120°C on the controller
- Stainless-steel reversible pressure relief flap installed in the middle on top of the unit
- Enhanced door-locking mechanism with reinforced brackets



> KB-P 240 model

Read more  
> [go2binder.com/en/battery-testing](https://go2binder.com/en/battery-testing)