

CYCLER › CHAMBER ◀ JULABO CHILLER

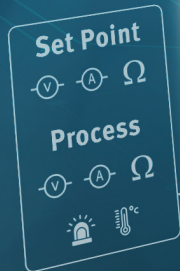
The perfect testing setup for batteries



ANYCHAMBER
for battery testing



ANYCYCLER



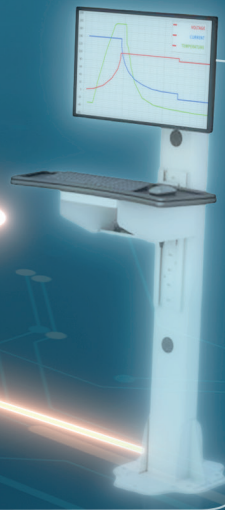
RS485 (Optional)
ModbusRTU



JULABO Chiller



Ethernet
Modbus TCP



CUSTOMER SOFTWARE
for data analysis

- Alarm
- Temperature
- Relative humidity
- Program
- Volt
- Amps
- Resistance
- Flow

CYCLER › CHAMBER ‹ JULABO CHILLER

The perfect testing setup for batteries



Batteries must be rigorously tested to ensure that they function reliably and safely. Depending on the application and test requirements, the following peripheral devices are typically required:

- **CYCLER:** Charging and discharging the battery cell
- **CLIMATIC CHAMBER:** Simulation of the general temperature conditions of the battery cell (aging, performance, and stress tests)
- **JULABO TEMPERATURE CONTROL SYSTEM:** High-precision, direct temperature control of the battery components

The challenges for an individual test environment are, in particular, communication and data evaluation between these units. Various interfaces and software solutions support this interaction in order to enable the synchronization of thermal and electrical profiles. This allows a wide range of data to be evaluated and accurate results to be obtained.

JULABO temperature control systems support a wide range of common industrial interfaces and are compatible with every cyclers and climatic chamber, regardless of manufacturer. The existing product portfolio provides sufficient cooling and heating capacity for dynamic temperature simulation of individual battery cells up to large battery packs.

(See Fig. page 1)

- ▶ The combination of cyclers, climatic chamber, and JULABO temperature control system is perfect for aging, performance, and stress tests
- ▶ JULABO temperature control systems can be specially modified to meet customer requirements. Individual adjustments can be made, such as the operation of several climatic chambers at the same time, including flow control or emptying of devices under test.

ALL ADVANTAGES AT A GLANCE



SMART

Convenient control, programming, and monitoring at the workplace, remote monitoring and control



USER-ORIENTED

Project-specific expert exchange (cyclers, chamber, chiller) ensures the best possible solution for the user



REPRODUCIBLE

Recurring results due to consistent requirements



ECONOMICAL

Best value for money, best combination of security features and costs

DO YOU HAVE ANY QUESTIONS ABOUT OUR TEMPERATURE CONTROL SYSTEMS? OUR TEAM OF EXPERTS WILL BE HAPPY TO ADVISE YOU!



Scan QR code for further information

JULABO GmbH
Gerhard-Juchheim-Strasse 1
77960 Seelbach/Germany
Telefon: +49 7823 51-0
<https://www.julabo.com/de>