

WHAT - The solution.

The vibration temperature chamber has a test chamber made of stainless steel with a chamber volume of approx. 21 m³. Up to 3,000 kg of test material per m² can be placed in it.

It enables combined mechanical and electrical tests to be carried out at temperatures between -40 and +100 °C. The cooling and heating rates are 5 K/min each.

For moving the test chamber in vertical direction, the traversing system is equipped with a lifting system with spindle drive. Horizontal movements are realised via a rack and pinion drive.

Selected Product: WT 21/40-100/5/V-Li/HL 4

According to the risk assessment for tests with lithium-ion batteries, safety devices according to Hazard Level 4 were integrated.



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Design features:

- Insulated temperature test chamber made of sandwich prefabricated elements, with removable interchangeable floor
- Test chamber made of stainless steel
- Safety devices according to Hazard Level 4:
 - Electric door locking with emergency unlocking
 - Status display with signal lamp and horn
 - Reversible pressure relief flap to compensate pressure fluctuations in the test chamber
 - Pressure-resistant feed-throughs (125 mm diameter, with plug and plug protection on the outside)
- Emergency stop button in the test area and on the outside, signal column, warning buzzer
- Steel traversing system with spindle and rack drive and mobile operating unit