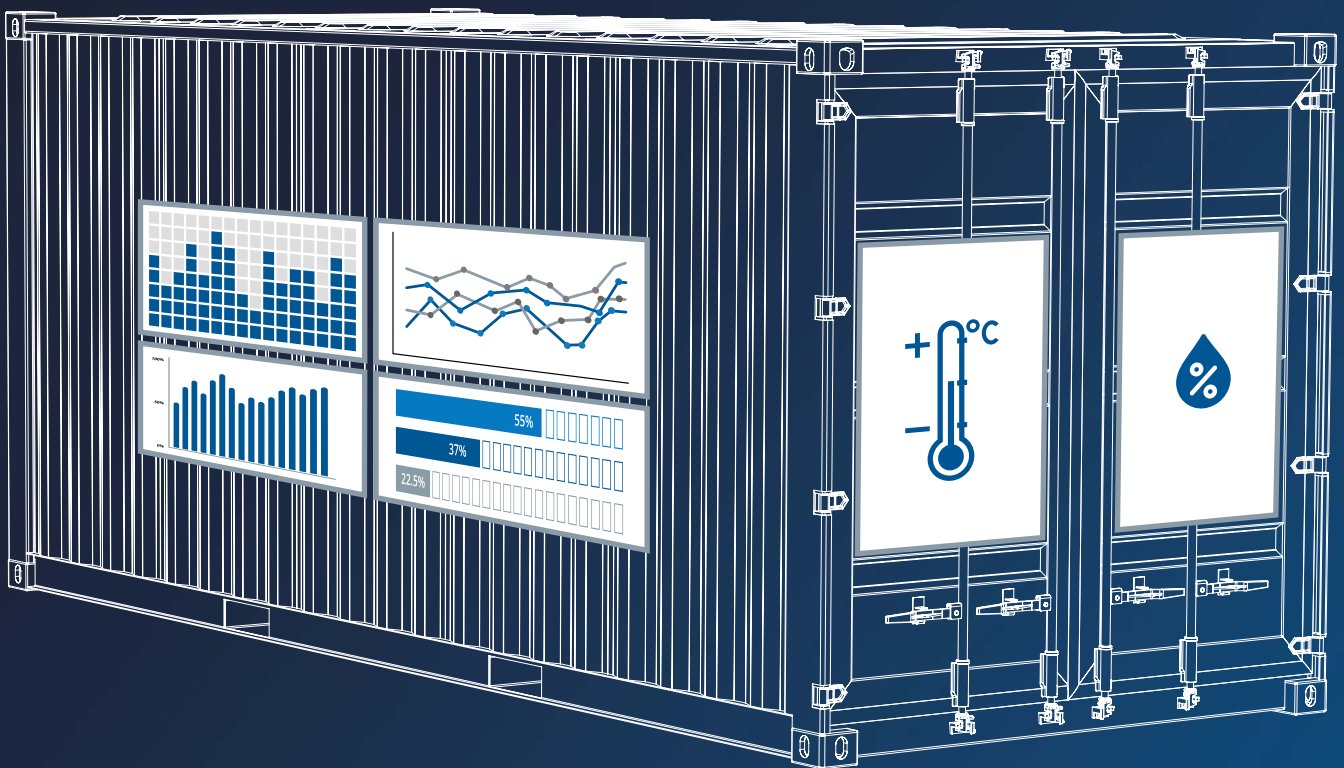


# Climate Test Container



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Climate simulation based on MILSTD 810G

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Air humidity and temperature testing

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Long-term testing

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# Climate Test Container

Your product is designed for outdoor deployment in varying climatic zones?

Heat and sand or extreme cold and snow – the ambient conditions in the field challenge both equipment and materials.

Devices and components which are exposed to extreme climatic conditions must be secured and tested accordingly.

In our 20" Climate Test Container, we are able to simulate ambient temperatures ranging between -40°C and +60°C, at high humidity, and to precisely test the functionality of your products under these circumstances.

We support you in product development, inspect and test your system or provide the container for individual use.



## Design and Characteristics

In preparation for certification according to standards or norms, (e.g. DIN EN 60529 VDE 0470 or MILSTD of the 810 series) prototypes should be tested before series production. The knowledge about material behaviour and load limits offers you the possibility to design your product according to regulations and to achieve the desired quality.

Both continuous endurance tests and cyclic tests are possible in our Climate Test Container. The test procedures are application-oriented and designed according to your specifications and requirements.

The Climate Test Container is transportable and can be employed at your premises. For operation, only a sufficient power supply and a water connection for the humidification system are required.

The container consists of a test chamber and a control room. Two entrances, each 1.2m wide, provide access for loading the test objects.

The cooling capacity is 10kW. Humidity is adjustable and can be regulated up to 95%rH. Inside the test chamber, there are 32A-, as well as 16A-connection possibilities to test the specimens under full load.

The collected data is evaluated in the adjacent control room. Live data can be displayed in-house via network connection. The data is logged and serves as a basis for reports.

If required, temperature sensors with an accuracy of  $\pm 0.3^\circ\text{C}$  can be installed. Air pressure and humidity can also be monitored. With the help of an airspeed indicator the air flow within the chamber can be determined in a measuring range of 0..20m/s.

## Technical Specifications

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Test chamber with 20m<sup>3</sup> capacity

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Application-oriented test curves

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Coverage of all climate zones

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Reproducible test procedures

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Calibratable sensor technology

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Live recording of data

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Various connection options

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Report preparation





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