



TESTING SERVICE

ENVIRONMENTAL TESTING IN CLIMATIC CHAMBERS

SCOPE OF TESTING

- testing the impact of environmental factors, such as temperature and relative air humidity, on the performance of measuring devices (including large-scale equipment) and on the properties of materials and products,
- measurements of spatial gradients of temperature and relative air humidity in various testing spaces.

PARAMETERS

- possibility of conducting tests in three climatic chambers, the largest with dimensions: 1.0 × 2.0 × 1.5 m (width × height × depth), i.e. with a volume of 3000 L,
- temperature control range from od -70 °C to +180 °C,
- relative humidity ranging from 10 % to 98% (at temperatures from +5 °C to +95 °C),
- maximum weight of the tested device up to 200 kg.

INTENDED USE

- electronics and telecommunications industry – testing components, household appliances, audio equipment, IT, and telecommunication devices
- production and use of devices generating and transmitting thermal energy,
- automotive and aerospace industry – testing components, modules, and navigation and control systems,
- uniformed services – testing and verification of equipment functionality,
- defence sector – cooperation in the development of new technologies,
- construction industry - testing the resistance of building materials to environmental conditions,
- cosmetics, pharmaceutical, food, and chemical industries – assessing the impact of temperature and humidity changes on technological processes and determining product shelf life.



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