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Climatic and thermal testing

Nemko Norway





Climatic and thermal testing is performed to ensure that a product will withstand the environment it is intended for; during transportation, storage and in operation. A climatic and thermal chamber combines controlled temperatures with humidity.

The effects of temperature and humidity over a wide range of combinations and levels are simulated according to IEC 60068-2-series.

We test according to relevant product standards and specifications, for example:




- IEC 60945
- Maritime Classification Society specifications
- IEC 60721-series
- ETSI 300 019

Nemko can provide guidance in identifying the appropriate set of standards and severity levels for your product.

Involve Nemko early in the process to avoid delay to market and excessive cost.

Specifications

- Test room: 24 m³
Height: 1992 to 2560 mm
Width: 3300 mm
Depth: 3640 mm
(Door opening: 2000 x 2000 mm)
- Test chambers: 200 to 1500 liters
- Temperature range: -70 to +180 °C
- Humidity range: <10 to 98 % RH
- Transitions: Up to 15 K/min

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