

Accredited climatic test

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Your product will probably be used by your clients in many different climatic conditions. Perhaps in various countries and regions, and probably also during different seasons, or with different indoor thermal conditions. Therefore, it is advisable to test the product's functionality for different climatic parameters, before you put it on the market. This allows you to ascertain whether the product is sufficiently robust and reliable under different climatic conditions.

With an accredited climatic test at FORCE Technology, you can have your product exposed to several parameters: Temperature (high and low), moisture (constant and cyclic), thermal shock, corrosion, as well as ice accumulation.

” We needed to perform an accredited type test in order to be approved by the classification societies. It was a jungle out there, so we quickly became aware that it was not something that we could do by ourselves.

– Kenneth Klokker, JK e-solutions - develops fire fighting equipment for ships, and chose FORCE Technology as a collaboration partner to get ready to handle accredited marine type tests.

With a test report from FORCE Technology, you will have documentation which shows that your product can withstand the conditions that it will be exposed to during normal use. This allows you to prevent start-up problems, the freezing of moving parts, malfunction, changes in electronic parameters, such as those caused by changed climatic conditions.

FORCE Technology is accredited to perform climatic tests, and has advanced testing facilities for this purpose. We have some of the industry's most experienced and knowledgeable testing experts who focus on that you end up with a complete and successful result.

By choosing FORCE Technology as your partner for climatic tests, you will get:

- Accredited third-party test
- Tests which are methodologically correct

- Testing conducted according to the standards that are relevant to your industry
- Expert advice on whether any adjustments are needed to the test procedure or product design
- Access to extensive knowledge about standards, via FORCE Technology's active participation in standardisation working groups
- The possibility to expand the testing to include other parameters.

SPECIFICATIONS

Climatic test

Temperature range: -85 °C to 180 °C

Humidity: 20 % RH to 98 % RH

Rate of change: 5 °C/min.

Dimensions (HxWxD): 360 x 365 x 290 cm

Access (HxB): 230 x 170 cm

Thermal shock test

Temperature range: -80 °C to 220 °C

Rate of change: Less than 10 sec.

The effective volume (HxWxD): 40 x 46 x 60 cm

Salt fog test

Temperature range: Ambient to approx. +50 °C

(LxHxD) 2100 x 1508 x 800 mm

Practical piece weight max. approx. 300 kg

MORE INFORMATION

FORCE Technology can help with a wide range of other types of environmental test. We offer guidance and specialist knowledge in all phases, before, during and after testing, including in the concept and design development phase, as well as in connection with troubleshooting on existing products.

Contact us to find out more: tel. +45 43 25 14 50.



STRATEGIC ADVANTAGES

With an accredited climatic test, you will achieve a number of strategic advantages:

- Possibility to adjust the design prior to launch
- Lower risk of product complaints and repair costs
- Clear documentation for CE marking or other types of approval of your product.


INDUSTRIES


FORCE Technology offers climatic tests and other environmental tests for mechanical, electronic, and electromechanical products. We have expertise within the following segments:

- Consumer electronics
- Industrial electronics
- Medical devices and welfare
- Military and aerospace
- Marine and offshore
- Machinery and production equipment
- Technical audiology
- IT and telecom
- Automotive and transportation
- Wind and energy



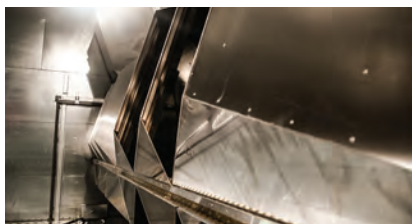
FACTS

 Hørsholm
Nordborg

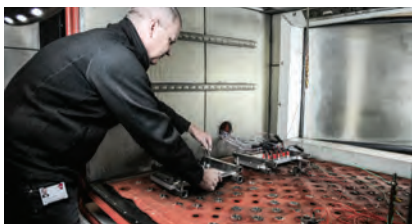
 IEC60068-2-1
IEC60068-2-2
IEC60068-2-3
IEC60068-2-14
IEC60068-2-78
IEC60068-2-38
or according to your specifications.

SIMILAR SERVICES

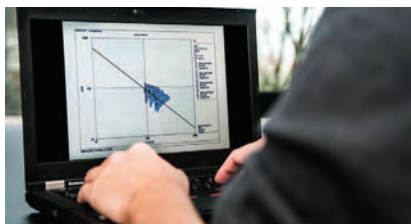
FORCE Technology offers a wide range of other test services, please see below. In addition, we can offer a customised solution where we perform tests across several parameters within a single process, according to your needs. Contact us to find out more: +45 43 25 14 50.



ACCELERATED EMC TEST



ACCELERATED ROBUSTNESS TEST



ACCELERATED RELIABILITY TEST



ACCREDITED CALIBRATION OF HUMIDITY SENSORS



ACCREDITED MECHANICAL TEST



ACCREDITED INGRESS PROTECTION (IP)



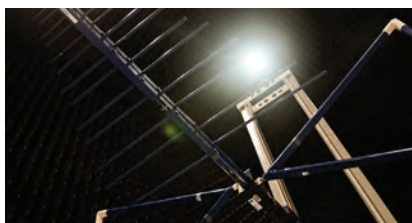
ACCREDITED CLIMATIC TEST



ACCREDITED EMC TEST



ADVICE ABOUT PRODUCT APPROVALS



WIRELESS APPROVAL AND PERFORMANCE TEST



ACCREDITED PACKAGING TEST



TENSILE AND FATIGUE TEST



GUIDANCE ABOUT MARKET ACCESS FOR MEDICAL DEVICES



EMC PRE-TEST: DO-IT-YOURSELF



ELECTRICAL SAFETY TEST

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