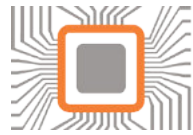




Deutsche
Akkreditierungsstelle
D-PL-18119-02-00



TechnoLab

QUALIFYING AND TESTING SOLUTIONS



UV-Aging
(sun simulation)

Environmental Simulations

We test, measure, analyze, and verify.

As a manufacturer, you know that your product must be reliable and guarantee consistent quality. Your company manufactures electronic or mechanical components, automotive, railway, or aircraft parts such as cables, connectors, current collectors, gearboxes, chassis parts, and valves. Or you need to protect your solar panels or ship turbines against aging processes caused by weather influences—this requires reliable and professional testing.

TechnoLab is your reliable partner for conducting thorough testing of products to assess their suitability and service life before they are put into circulation. Whether for the automotive industry, railway applications, aviation and military products, or renewable energies—we conduct professional testing. We also analyze electronic products for manufacturing optimizations and damage of even the smallest components. Our team of experienced engineers tests according to all current standards.

ASTM
DIN EN 60068-2-xx
DNV GL
ISO 9227
ISO 16750-2 -3 -4
JIS
MIL202
MIL810
RTCA-DO160



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13629 Berlin

Technical changes reserved 03/2026

Typical tests:

- Temperature (thermal stress in extreme temperature ranges)
- Tropical or desert climate
- Thermal shock (rapid change between hot and cold temperatures)
- Mechanical stress (vibration, shock, impact, drop test)
- Hail, stone chips
- Corrosive environments (salt spray, corrosive gas mixtures)
- UV and weathering (sunlight, weathering)
- Sand and dust (IP protection classes, desert storm simulations)
- Water tests (IP protection classes, immersion test, splash water, rain)
- Air pressure (altitude, negative pressure, positive pressure)
- Chemical resistance testing
- Electrical tests (insulation, high voltage, high current)

Examples



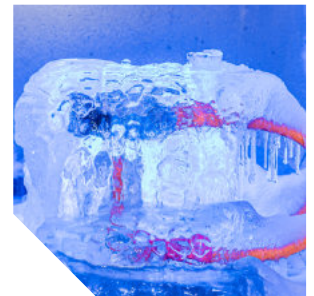
climatic testing of electronic devices



corrosive atmosphere



altitude / vacuum test



icing test



ingress protection testing - IP9K



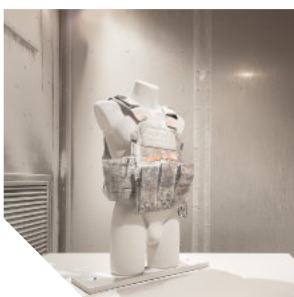
vibration testing with temperature superposition



salt spray test



chemical resistance



blowing dust test



blowing sand test



fungus test



electric measurement and EMC