



Add value.
Inspire trust.

Environmental Testing

Enabling progress across processes, products and systems.

What is environmental testing?

Environmental testing simulates the different climatic conditions and mechanical stress that products are exposed to during their lifetime. Environmental testing will expose weaknesses in a product's design or performance that could occur in service, particularly at extreme levels.

Why is environmental testing important?

In general, environmental tests demonstrate that your products have the build quality to work perfectly, no matter what the conditions. During testing, possible weaknesses can be identified and product improvements can be initiated at an early stage.

Environmental testing also helps demonstrate compliance of your products with international regulations, making it easier to access global markets and further boosts trust in your products.

Environmental Testing - Capabilities and Standards

Testing types: Cold, Dry Heat, Damp Heat Cyclic / Steady State, Humidity Test, Cyclic Salt Corrosion, Altitude, Combined Temperature Humidity Altitude (CATH) Test, Combined Temperature with Vibration (Integrated Chamber)

Testing standards:

- IEC 60068-2
- JSS 55555
- IS 9000
- EN 60068-2

Vibration Testing - Capabilities and Standards

Testing types: Shine, Random, Shock & Bump Test

Testing standards:

- IEC 60068-2
- IS 15591
- EN 60068-2-6
- JSS 55555

Ingress Protection of Dust and Water - Capabilities and Standards

Testing types: Ingress Protection of Dust and Water

Testing standards:

- IS / IEC / EN 60529
- JSS 55555

Why choose TÜV SÜD?

With TÜV SÜD as your partner, you can be confident that your testing needs are covered, no matter how complex

your product is or to which industry sector it belongs to. With globally accredited environmental testing laboratories (ISO/IEC 17025), we verify the fitness for use of components, technical equipment and products.

Add value. Inspire trust.

TÜV SÜD is a trusted partner of choice for safety, security and sustainability solutions. It specialises in testing, certification, auditing and advisory services. Through more than 25,000 employees across over 1,000 locations, it adds value to its customers, inspiring trust in a physical and digital world.

Related services

TÜV SÜD provides the following related services:

- Electromagnetic Compatibility (EMC) Testing
- Electrical Safety Testing
- Mechanical Safety Testing
- Flammability Testing

Our offices in South Asia, ASEAN, Middle East and Africa

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