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Technical note

## Accelerated & Environmental Stress Test (Temperature/ Humidity, Thermal Cycle, Thermal Shock)

**Environmental Stress Test (EST)** is becoming highly demand for component of various products such as Electronics, Automotive, Telecommunication or household devices. The testing is by operating products or leaving components at the extreme-controlled environmental (high/low temperature, high/ low humidity, shaking/vibrating, and etc). The testing is to provide a prediction model for product field reliability as well as production quality control.

### Key Features

- Rapid-Rate Temperature Cycle Type.
- High temperature testing up to 220°C, Low temperature testing down to -80°C for thermal shock.
- Temperature range from -40°C to 150°C, Maximum humidity at 98% for Temp/Humid chamber.
- ISO Class 5 Clean temperature & humidity chamber.

### Services

ALS Pathumthani offers the environmental stress test for electronics, mechanical, telecommunication, and automotive components. The testing is covering all stages from pre-qualification, first article, production acceptance, reliability testing, and failure analysis. We are able to test per international standard or tailor made to individual client requirement.



### ABOUT **ALS**

With more than a decade of sophisticated testing experience, ALS Pathumthani has a diverse range of sampling, testing, and consulting services for the Electronics industry. We have dedicated technical staff to deliver reliable and timely analytical solutions for customer testing needs. We specialize in micro-contaminant and RoHS analysis, offering tailored analytical

packages that are specific to client requirements and needs. We are ready to deploy our world-class services to additional industries to support Thailand's industry growth. ALS provides the wide range of professional services for Electronics, Semi Conductor, Automotive, Telecommunication, and Wear-Check analysis (Tribology).

**ALS Testing Services (Thailand) Co., Ltd. An ALS Limited Company**

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