



UKAS ACCREDITED TESTING LABORATORY





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TT Electronics provides extensive production level testing services and environmental and investigative testing from our UKAS Accredited independent laboratory.

With more than 45 years' experience, TT Electronics has the expertise to conduct a broad range of standard tests, as well as some of the most difficult testing procedures. Our experienced technicians can develop robust test strategies and implement customer specific test regimes onsite.

SIMULATED (QUALIFICATION) TESTING

The aim is to generate stresses within the product that represent real world environments

CLIMATIC

- Hot & Cold Environment
- Thermal Shock & Cycling

DYNAMIC

- Humidity
- Gas Corrosion
- Vibration
- Shock / Bump
- Free Fall

SOLVENT RESISTANCE / FLUID CONTAMINATION

- Salt Spray

CERTIFICATIONS & APPROVALS

- UKAS accredited testing laboratory No. 0042
- BS 30262
- T3000 IECQ-CECC

TT CARDIFF TESTING SOLUTIONS

Tregwilym Industrial Estate
Rogerstone, Newport, Wales NP10 9YA
Site Telephone: +44 1633 892 345

STIMULATED (INDUCE STRESS ABOVE NORMAL) TESTING

In these tests we aim to induce failure at an advanced rate to aid failure analysis and corrective action

HALT (Highly Accelerated Life)

During HALT, a product is stressed beyond the product specifications to identify design weaknesses early in the development stage.

HASS (Highly Accelerated Stress Screening)

HASS is performed during the manufacturing stage and otherwise prior to shipment and sale. It guarantees ongoing reliability of the product and adheres to the design changes built during HALT.

ESS (Environmental Stress Screening)

ESS is also a stress testing methodology performed to improve the reliability of the finished product. ESS is performed during the manufacturing stage and otherwise prior to shipment and sale.

