



Environmental Testing

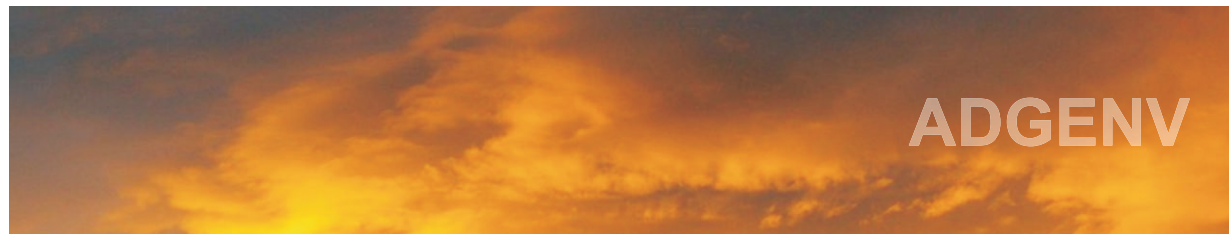
Vipac's Automotive Group offers a variety of test facilities covering a broad range of testing requirements such as thermal testing, vibration and shock testing, water and dust ingress protection. As a fully independent company, Vipac is contracted by many companies to provide confidential testing services for a wide range of products - motor vehicles, automotive components, aerospace and defence electronic equipment, general consumer goods (whitegoods, mobile phones, etc) and industrial components (controllers, actuators, etc). Testing can be carried out to a variety of Standards, including AS, ASTM, MIL STDs (810E/F/G), ISO, DEF and automotive standards such as those from Ford, Holden, and Toyota. From basic qualification to customised R&D testing procedures Vipac's Environmental Laboratory offers a flexible, customer centric service, regardless of project size.

Services

- ↘ Vibration & Shock Testing
- ↘ Combined Temperature & Vibration Testing
- ↘ Temperature & humidity Testing
- ↘ Water & Dust Ingress Protection Testing
- ↘ Driving Sand & Dust Testing
- ↘ Salt Corrosion Testing
- ↘ Solar Radiation Testing
- ↘ Drop Testing
- ↘ Hardness Testing
- ↘ Flammability Testing
- ↘ Testing to Client Specific Requirements

Test Standards

- ↘ AS
- ↘ IEC
- ↘ EN
- ↘ IP Code
- ↘ ASTM
- ↘ MIL STDs
- ↘ UNEEC
- ↘ ISO
- ↘ DEF-STN
- ↘ Automotive Standards



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Climatic testing

- ↘ Vipac's large Environmental Test Chamber, measuring 14m long x 5.5m wide and 4.5m high, is certified to test through a temperature range from -5°C to +60°C and humidity from 40% to 95%. It incorporates a 30 lamp CSI solar simulator, allowing any sunlight condition to above 1120W/m² to be reproduced. Diurnal cycling can also be conducted.
- ↘ The High Temperature Chamber (2.2mx2mx2m) provides for testing from ambient to 250°C.
- ↘ The Balanced Temperature & Humidity Chamber (3mx3mx3m) allows testing from 20% to 95% RH and from -40°C to +150°C.
- ↘ A variety of smaller chambers covering dry heat, humidity and temperature shock cycling, are available for testing of smaller products or parts.