

Safety (LVD) Testing



RN Electronics offer a fast and cost effective approach to Safety Testing to meet the requirements of the Low Voltage Directive for several market sectors.

Safety testing can be time consuming and costly. We offer a **Basic Safety Assessment (BSA)** which generally takes a day, costs less than you think and provides an excellent benchmark in developing a safe product.

The Basic Safety Assessment includes the following services –

- Perform key tests to check for Plug discharge, strength of insulation, earth bond, input current, touch current & unreasonable rise in temperatures in safety critical components.
- Assessment of any mechanical, thermal & electrical hazards posed by the product.
- Advice on the labeling & paperwork requirements for your product.
- Visual inspection to check clearance & creepage distances, access to live parts and to ensure safe construction.

The BSA covers most of the relevant critical safety parameters of the Low Voltage Directive and is a cost effective alternative to Third Party approval schemes.



The aim of the basic safety assessment is to help you to self-certify. At the end of the assessment we provide a report which contains tests results and offers advice on how to overcome any shortcomings of the product. This test report is added to your Technical Construction File (TCF) and can be used to self-certify your product with the CE mark.

We can also help with NRTL approvals (UL, MET, TUV certification for North America) and CB certification. We cater for the needs of a diverse clientele. The most common safety standards we test to are –

Product Type	Safety Standard
Information Technology Equipment	EN 60950-1
Audio/Visual Equipment	EN 60065
Laboratory Equipment	EN 61010-1
Medical Devices	EN60601-1
Household appliances	EN60335-1 (+relevant part 2)

For further information contact RN Electronics, an established, cost effective, knowledgeable and complete service solution.

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