

ELECTROMAGNETIC COMPATIBILITY & LOW VOLTAGE DIRECTIVES

CE MARKING SPECIALISTS

EMC Directive

Scope

The EMC Directive states that most electrical and electronic products made or sold in Europe must:

- Be so constructed that they do not cause excessive electromagnetic interference and are not duly affected by electromagnetic interference,
- Carry CE Marking

If your product is sold, used by yourself, given away or used in anyway, it must comply with the Essential Protection Requirements as laid down in the Directive. Ignorance of the legislation is no excuse and a punitive penalty structure is documented.

The requirements under the EMC Directive are:

- That the product must not interfere with any other product in any way.
- The product must meet certain standards in that it must not suffer interference from any other product.

Low Voltage Directive

Scope

The Low Voltage Directive states that:

- Only electrical equipment which does not jeopardise the safety of people, domestic animals and property shall be placed onto the market.
- Equipment operating at voltage between 50v & 100vAc and 75v & 1500v DC should comply.

The requirements under the Low Voltage Directive are:

- That the product is electrically safe
- The product has been constructed in accordance with accepted good engineering practice and is safe
- The product has been designed and constructed in accordance with the Principal Elements of the Safety Objectives of the Directive.
- Electrical equipment shall be designed and constructed to ensure that it is safe when connected to the electricity supply, by providing a level of protection against electric shock.

LAIDLER SERVICES

- Laidler Associates can offer a high level of service to ensure that products comply. On-site testing at your premises saves cost on setting up product and providing any special facilities that the product may require.
- *If a problem is detected, we can work with your on-site engineers to solve the problem. We are at your service to accomplish fast, cost-effective, certified products that you can affix CE Marking to with confidence.*
- *For cost-effective certification, the EMC testing service covers all commercial, various military and a number of special purpose standards. We will guide you to the required standards.*
- *If required, Laidler Associates can arrange Competent Body sign off, if this compliance route is chosen.*