

Low Voltage Directive (2014/34/EU)



The Low Voltage Directive 2014/34 / EU is related to the safety of electrical equipment. It has been published in the Official Gazette and entered into force on 11 in January 2003 in Turkey. The Low Voltage Directive applies to equipment that uses or produces voltage from 50 Volts AC (75 Volts DC) to 1000 Volts AC (1500 Volts DC). An exception to these limits is 0 Volts for Radio and Telecommunications Terminal Equipment-TTTE Regulation. In addition to the safety of electrical equipment, it is necessary to attach the CE marking to the product.

The Low Voltage Directive applies to equipment using or generating voltage from 50 V AC (75 V DC) to 1000 V AC (1500 V DC). All manufacturers of electrical equipment in this range must meet the requirements of this regulation and affix the CE marking to the product.

What you want to know?

Our Services:

- Label Endurance
- Protection against access to tensioned sections
- Input Power and Current
- Warming
- Leakage Current
- Electrical Strength
- Resistance to moisture
- Unusual Work Test
- Structural testing
- Discharge Test

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- Tensile Testing
- Grounding test
- Isolation test
- Ball pressure test
- Glow wire test
- Test against surface leakage test

Test Standards:

- 73/23 / EC: Regulation on Electrical Equipment Designed for Use within Certain Voltage Limits (LVD)
- EN 60335-1 (TS 2000): Safety regulations - For household and similar electrical appliances - Part 1: General requirements
- TS EN 60598-1: Lighting Fixtures
- TS EN 60950-1: Information technology equipment
- EN 61010-1 (TS 2418): Measurement, Control and Electrical Devices Used in Laboratory

General features:

- EN 60204-1 (TS 10316): Safety in machinery - Electrical equipment of machines - Part 1: General rules
- EN 60034-1 (TS 3205): Rotary electric machines - Part 1: Declaration values and performance
- EN 60601-1 (TS 4535): Electrical Medical Devices - Part 1: General Safety Rules

Certified with Kiwa

Kiwa offers design control, technical documentation review and electrical safety tests for electrical equipment manufacturers with its laboratory infrastructure and expert staff.

Our services include:

- Design Control of Electrical Equipment
- Technical File Review
- Electrical Tests

USP / Benefits

Provides safety for electrical equipment.

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