

Declaration of Conformity for CE/UKCA Marking



Machinery Directive 2006/42/EU (Safety) / Machine Regulation SI 2008 Nr. 1597
 Low Voltage Directive 2014/35/EU / Low Voltage Regulation SI 2016 Nr. 1101
 EMC Directive 2014/30/EU / EMC Regulation SI 2016 Nr. 1091

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We herewith declare that the **Levitronix® Mixer System LMS-16** in its configurations as listed below, is in conformity with the above mentioned *European Directives* and *UK Statutory Instruments*. The mixer system is thought to be used in mixer tanks for production equipment of Life Science markets like biotech and pharmaceuticals. This declaration does not include the mixing head, tank and other additional equipment.

Part Name	Description
LMR-16.x	Mixer rotors LMR-16.x (x = various mounting or coating/encapsulation options)
LMM-16.x	Mixer motors LMM-16.x (x = various cable, connector and coating options)
LPC-2001.x	Controllers with 200 – 240 VAC inputs LPC-2001.x (x = various interfacing options, galvanic separated from high-voltage side)
Accessories	Adapter and interconnect cables of various length and others

Machinery Directive 2006/42/EU – Machinery Regulation SI 2008 Nr. 1597:

The machinery directive/regulation essentially has been followed by a risk analysis, according mitigation actions and a user manual for safe operation. For the design and testing the following standards are used as a guideline:

ISO 12100 Safety for machinery – principles for risk assessments: used for system risk analysis.

Low Voltage Directive 2014/35/EU – Low Voltage Regulation SI 2016 Nr. 1101:

The low voltage directive/regulation essentially has been followed by a risk analysis, electrical safety testing and a user manual for safe electrical operation. For the design and testing the following standards are used as a guideline:

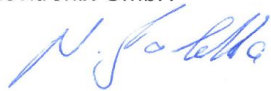
IEC/EN 61010-1 Safety requirements for electrical equipment: used as general design guide for controller and motor:
 used as design guideline, dielectric strength and earth continuity testing.

EN 60204-1 Safety of machinery - Electrical equipment of machines – Part 1: General requirement: used for insulation testing.

EMC Directive 2014/30/EU - EMC Regulation SI 2016 Nr. 1091:

The following standards of the EMC directive/regulation are tested and confirmed at a certified laboratory:

EN 61000-6-2 Generic standards – Immunity for industrial environments
 EN 61000-6-4 Generic standards – Emission standard for industrial environments

Start of CE-Marking:	29-May-2015	Place of issue:	Zurich, Switzerland
Last Update:	27-Sep-2022		
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