

1 EU declaration of conformity / UK declaration of conformity

This declaration attests the compliance of the listed products with the standard specifications for electrical instruments and accessories.

The responsibility for issuing this declaration of conformity lies solely with the manufacturer.

1.1 Product validity

This declaration is valid for the following products or product versions:

- **IONIC Titrator (Type: 1040)**

The IONIC Titrator is the central instrument of an IONIC titration system. These products include versions with and without magnetic stirrers.

1.2 Directives and regulations

1.2.1 EU directives

The object of the declaration described above is in conformity with the relevant European Union harmonization legislation:



- **2014/53/EU – Radio Equipment Directive, RED**
Directive 2014/53/EU of the European Parliament and of the Council of April 16, 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC; Official Journal of the EU L153, 22.05.2014, p. 62-106
- **2011/65/EU – Directive for certain hazardous substances, RoHS**
Directive 2011/65/EU of the European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment; Official Journal of the EU L174, 01.07.2011, p. 88-110

- **2015/863/EU – Amendment Appendix II RoHS**
Commission delegated directive (EU) 2015/863 of March 31, 2015 amending Appendix II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances; Official Journal of the EU L137, 04.06.2015, p. 10-12
- **2012/19/EU – Disposal and recycling of electrical and electronic equipment, WEEE**
Directive 2012/19/EU of the European Parliament and of the Council of July 4, 2012 on waste electrical and electronic equipment (WEEE); Official Journal of the EU L197, 24.07.2012, p. 38-71

1.2.2 UK regulations

The object of the declaration described above is in conformity with the relevant statutory requirements of the United Kingdom:



- S.I. 2017/1206 – The Radio Equipment Regulations, 2017
- S.I. 2012/3032 – The Regulation on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations, 2012

1.3 Safety specifications

This instrument fulfills the following safety requirements:

Design and type testing

- **EN 61010-1: 2019**
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
- **EN 61010-2-051: 2021**
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-051: Particular requirements for laboratory equipment for mixing and stirring
- **EN 62368-1: 2024**
Audio/video, information and communication technology equipment – Part 1: Safety requirements
- **EN 60529: 2013**
Degrees of protection provided by enclosures (IP code)
- **ISO 12100: 2010**
General principles for design – Risk assessment and risk reduction
- **EN 61140: 2016 – protection class I**
Protection against electric shock – Common aspects for installation and equipment

1.4 Electromagnetic compatibility (EMC)

Design Engineering and type testing

- **EN 61326-1: 2021**
Electrical equipment for measurement, control and laboratory use - General EMC requirements

1.4.1 Emission

Standards fulfilled

- EN 55011 / CISPR 11: 2020
- EN 55032 / CISPR 32: 2022
- EN 61000-3-2: 2019

1.4.2 Immunity

Standards fulfilled

- EN 61000-4-2: 2009
- EN 61000-4-3: 2020
- EN 61000-4-4: 2012
- EN 61000-4-5: 2017
- EN 61000-4-6: 2014
- EN 61000-4-8: 2010
- EN 61000-4-11: 2020
- EN 61000-4-14: 2009
- EN 61000-4-28: 2009

1.5 Radio equipment

Standards fulfilled

- **EN 300 328 V2.2.2: 2019**
Wideband transmission systems: Data transmission equipment operating in the 2.4 GHz band and using wide band modulation techniques; Harmonised Standard for access to radio spectrum
- **EN 301 489-1 V2.2.3: 2019**
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility
- **EN 301 489-17 V3.3.1: 2024**
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband and Wideband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility
- **EN 301 489-52 V1.3.1: 2024**
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility

- **EN 301 893 V2.2.1: 2024**
5 GHz WAS/RLAN – Harmonised Standard for access to radio spectrum
- **EN 301 908-1 V15.2.1: 2023**
IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements; Release 15
- **EN 50566: 2023**
Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body
- **EN 62209-2: 2019**
Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) (IEC 62209-2:2010/A1:2019)
- **IEC/IEEE 62209-1528: 2020**
Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)

1.6 Manufacturer

Metrohm AG, Ionenstrasse, CH-9100 Herisau/Switzerland

Metrohm AG holds the SQS certificate ISO 9001: 2015 for quality management systems with scope for the development, production, sale and service of instruments and accessories for titration, ion chromatography, spectroscopy and electrochemistry, including software solutions.

Herisau, August 18, 2026

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2 Authorizations and certificates

2.1 ETL authorization



This instrument complies with the requirements of the ETL Listed Mark for the North American market. It meets the UL 61010-1 and CSA-C22.2 No. 61010-1 standards for electrical safety. The product is listed in the directory of listed products at Intertek.

2.2 IEC certificate



This instrument has been tested in accordance with the IEC standards and certified to the IECEE CB Scheme. The tests also comprise the national differences for Europe, the USA and Canada. Therefore, the instrument is in compliance with the respective standards EN 61010-1, UL 61010-1 and CSA-C22.2 No. 61010-1.