



Metrohm AG lonenstrasse CH-9100 Herisau Switzerland +41 71 353 85 85 info@metrohm.com www.metrohm.com Declaration of conformity 2024-01-08 8.920.3001EN / v3

1 EU declaration of conformity / UK declaration of conformity

This declaration attests the compliance of the instrument 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:

920 Absorber Module

The 920 Absorber Module is part of a Combustion IC system. It connects the combustion oven with the ion chromatograph. In the 920 Absorber Module, combustion gases are absorbed in an absorber solution which is then transferred to the ion chromatograph for analysis.

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:



2014/35/EU – Low Voltage Directive, LVD

Directive 2014/35/EU of the European Parliament and of the Council of February 26, 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits; Official Journal of the EU L96, 29.03.2014, p. 357-374

2014/30/EU – EMC Directive, EMC

Directive 2014/30/EU of the European Parliament and of the Council of February 26, 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29.03.2014, p. 79-106

Safety specifications

 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:

UK CA

- S.I. 2016/1101 The Electrical Equipment (Safety) Regulations 2016
- S.I. 2016/1091 The Electromagnetic Compatibility Regulations 2016
- S.I. 2012/3032 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

EN 61010-2-010: 2020

Particular requirements for laboratory equipment for the heating of materials

■ EN 61010-2-081: 2020

Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes

EN 60529: 2013 – degree of protection IP20
Degrees of protection provided by housings (IP Code)

- ISO 12100: 2010

General principles for design - Risk assessment and risk reduction

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EN 61140: 2016 – protection class I

Protection against electric shock - Common requirements for installations and equipment

Testing in Production

Every instrument is routine-tested according to EN/IEC 61010-1 Appendix F in the production division:

Check of the protective conductor connection and the insulation from power circuits.

1.4 Electromagnetic compatibility (EMC)

Design and type testing

• EN 61326-1: 2013

Electrical equipment for measurement, control and laboratory use - General EMC requirements

1.4.1 Emission

Standards fulfilled

■ EN 55011 / CISPR 11: 2020

1.4.2 Immunity

Standards fulfilled

- EN 61000-4-2: 2009
- EN 61000-4-3: 2010
- 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 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.

IEC certificate

Herisau, January 8, 2024

Patrick Hunziker

Vice President, Head of Development Dr. Miriam Saba

Dr. U. Loka

Vice President, Head of Quality Management & Regulatory Affairs

2 Authorizations and certificates

2.1 Authorization Federal Inspectorate for Heavy Current Installations ESTI



This instrument complies with the Swiss Ordinance on Electrical Low-voltage Equipment (NEV; SR 734.26) and the Swiss Federal Law on Product Safety (PrSG; SR 930.11). The label attests the inspection by the independent national certification institute ESTI, accredited according to ISO/IEC 17065.

The product is listed in the register of authorizations at ESTI.

2.2 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.

2.3 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.

The CB certificate is available in the directory of certified products at Eurofins Electric & Electronic Product Testing AG.

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