

Metrohm AG Ionenstrasse CH-9100 Herisau Switzerland +41 71 353 85 85 info@metrohm.com www.metrohm.com Declaration of conformity 2023-03-03 8.0947.3001EN / v6

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:

- 947 Professional UV/VIS Detector Vario SW
- 947 Professional UV/VIS Detector Vario MW

The 947 Professional UV/VIS Detector Vario is an instrument for the photometric determination of light-absorbing substances in the UV/VIS range.

This declaration is valid for the spare parts for the products or product versions listed above:

- Deuterium lamp (UV) for 947 UV/VIS Detector Vario SW/MW (6.2804.110)
- Halogen lamp (VIS) for Professional UV/VIS Detector (6.2804.100)
- Flow-through cell, 10 mm, for UV/VIS instruments (6.2839.130)

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

CE

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

 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 Par liament and of the Council as regards the list of restricted substan ces; 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. 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 60529: 2013 – degree of protection IP40 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
Testing in Produc- tion	Every instrument is routine-tested according to EN/IEC 61010-1 Appen- dix 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	EN 61326-1: 2013
testing	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 61000-4-11: 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.

Herisau, March 3, 2023

P-Hunz

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