843 Pump Station



EU declaration of conformity

8.843.3001EN

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1 EU declaration of conformity

This declaration attests the compliance of the instrument with the standard specifications for electrical instruments and accessories and with the standard specifications for safety and system validation of the manufacturing company.

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

1.1 Product validity

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

843 Pump Station

Pump Station with 2 pumps

1.2 Directives

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



2014/35/EU – Low Voltage Directive, LVD

Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation 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 March 2014, p. 357-374

2014/30/EU – EMC Directive, EMC

Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29 March 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 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment; Official Journal of the EU L174, 1 July 2011, p. 88-110

Safety specifications

2015/863/EU – Amendment Annex II RoHS

Commission delegated directive (EU) 2015/863 of 31 March 2015 amending Annex 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, 4 June 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 4 July 2012 on waste electrical and electronic equipment (WEEE); Official Journal of the EU L197, 24 July 2012, p. 38-71

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 61010-2-081: 2015

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 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 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.

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EU declaration of conformity

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: 2017

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 Manufacturer

Metrohm AG, Ionenstrasse, CH-9100 Herisau/Switzerland

Metrohm AG holds the SQS certificate ISO 9001 – Quality management system for the development, production, sale and service of instruments and accessories for titration, ion chromatography, spectroscopy and electrochemistry, including software solutions.

March 24, 2022

Patrick Hunziker

Vice President, Head of Development Dr. Miriam Saba

Dr. U. Loka

Vice President, Head of Quality Management & Regulatory Affairs IEC certificate

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.

The CB certificate is available in the directory of certified products at electrosuisse.

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