

## EU declaration of conformity

EN

### 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.

#### 1.1 Product validity

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

- **881 Compact IC pro**

The 881 Compact IC pro is an intelligent ion chromatograph in a compact design for the determination of anions, cations or polar substances.

#### 1.2 Directives

This instrument has the CE marking and complies with the following EU directives:



- 2006/95/EC (Low Voltage Directive, LVD)
- 2004/108/EC (EMC Directive, EMC)
- 2002/95/EC (Directive for certain hazardous substances, RoHS)
- 2002/96/EC (Waste from electrical and electronic equipment, WEEE)



### 1.3 Safety specifications

This instrument fulfills the following safety requirements:

#### *Design and type testing*

- EN 61010-1: 2010  
Safety requirements for electrical equipment for measurement, control, and laboratory use
- EN 61010-2-010: 2003  
Particular requirements for laboratory equipment for the heating of material
- EN 61010-2-081: 2003  
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.

### 1.4 Electromagnetic compatibility (EMC)

#### *Requirements*

- EN 61326-1: 2006  
Electrical equipment for measurement, control and laboratory use - General EMC requirements

#### 1.4.1 Emission

##### *Standards fulfilled*

- EN 61000-6-3: 2001
- EN 55011 / CISPR 11: 2003
- EN 61000-3-2: 2006

#### 1.4.2 Immunity

##### *Standards fulfilled*

- EN 61000-6-2: 2001
- EN 61000-4-2: 2001
- EN 61000-4-3: 2006
- EN 61000-4-4: 2004
- EN 61000-4-5: 2001
- EN 61000-4-6: 2001
- EN 61000-4-11: 2004
- EN 61000-4-14: 2009



- EN 61000-4-28: 2004

## 1.5 Manufacturer

Metrohm AG, Ionenstrasse 6, CH-9100 Herisau/Switzerland

Metrohm AG holds the SQS certificate ISO 9001 – Quality management system for the development, production and sale of instruments and accessories for analyses.

Herisau, May 31st, 2016

P. Hunziker

Vice President,  
Head of Development

P. Klose

Head of Quality Management

## 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 EN 45011.

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 electrosuisse.