

## 1 EU 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:

- **MIRA XTR**  
**MIRA DS**  
**MIRA P**

Metrohm Instant Raman Analyzers (MIRA) are handheld, high-power Raman spectrometers. MIRA XTR and MIRA DS are safe, simple and smart material identification systems for Defense & Security. MIRA P is designed for onsite raw material verification of chemical and pharmaceutical samples.

- **Autofocus Stand-off Attachment (AFSO)**

The AFSO enables working with MIRA XTR or MIRA DS from a distance.

- **MIRA PowerPack**

MIRA PowerPack allows extended usage of MIRA XTR, MIRA DS or MIRA P.



**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 IP67**  
Degrees of protection provided by enclosures (IP Code)
- **EN 60825-1: 2014**  
Safety of laser products – Part 1: Instrument classification and requirements
- **ISO 12100: 2010**  
General principles for design - Risk assessment and risk reduction
- **EN 61140: 2016 – protection class III**  
Protection against electric shock - Common aspects for installation and equipment

**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: 2010
- EN 61000-4-8: 2010

**1.5 Manufacturer**

Metrohm Raman, 407 South 2nd Street, Laramie, WY 82070, USA

Metrohm Raman holds the Platinum certificate ISO 9001: 2015 for quality management systems with scope for the design, manufacture, service and support of Raman spectrometers, accessories and consumables.

Laramie, November 10, 2023



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