

## 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 product:

#### **TacticID®-1064 ST**

The TacticID-1064 ST is a 1064 nm handheld Raman instrument designed for rapid identifications of unknown materials based on their Raman spectral signature.

### 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

- **2014/53/EU – Radio Equipment Directive, RED**  
 Directive 2014/53/EU of the European Parliament and of the Council of April 16, 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC; Official Journal of the EU L153, 22.05.2014, p. 62-106
- **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 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:



- **S.I. 2016/1101 – The Electrical Equipment (Safety) Regulations 2016**
- **S.I. 2016/1091 – The Electromagnetic Compatibility Regulations 2016**
- **S.I. 2017/1206 – The Radio Equipment Regulations 2017**
- **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 IP68**  
Degrees of protection provided by enclosures (IP Code)
- **EN 60825-1: 2021**  
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
- **EN 62368-1: 2020**  
Audio/video, information and communication technology equipment – Part 1: Safety requirements

### 1.4 Electromagnetic compatibility (EMC)

*Design Engineering and type testing*

- **EN 61326-1: 2021**  
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: 2020
- EN 61000-4-4: 2012
- EN 61000-4-5: 2017
- EN 61000-4-6: 2014
- EN 61000-4-11: 2020



### 1.5 Radio equipment

*Standards fulfilled:*

- EN 300 328: 2019 V2.2.2
- EN 301 489-17: 2020 V3.2.4
- EN 301 489-19: 2022 V2.2.1
- EN 303 413: 2021 V1.2.1
- EN 62311: 2020

### 1.6 Manufacturer

Metrohm Spectro, Inc., 313 Enterprise Drive, Plainsboro Township, NJ  
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Plainsboro Township, October 22, 2024

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