Andor Technology Ltd.

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Object of the Declarations

Shamrock SR-500i/750 Spectrographs

These declarations of conformity are issued under the sole responsibility of Andor Technology Ltd. who manufacture this at the above address.

UKCA and UK(NI) Marks

As this is a Qualifying Northern Ireland Good that is self-declared, this product does not require a UKCA Mark, UK(NI) Mark or UK Declarations of Conformity.

EU Declaration of Conformity (EMC)

The object of the declaration described above is in conformity with the **EMC Directive 2014/30/EU** by means of conformity to the following harmonised standards:

- EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements [Class B Group 1 Basic Immunity]
- EN 55011:2016 + A1:2020 Industrial, scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement [Class B Group 1]
- EN 61000-4-2:2009 Electromagnetic compatibility (EMC) – Testing and measurement techniques – Electrostatic discharge immunity test [Criterion A]
- EN 61000-4-3:2020 Electromagnetic compatibility (EMC) – Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test [Criterion A]
- EN 61000-4-4:2012 Electromagnetic compatibility (EMC) – Testing and measurement techniques – Electrical fast transient/burst immunity test [Criterion A]
- EN 61000-4-5:2014+A1:2017 Electromagnetic compatibility (EMC) – Testing and measurement techniques – Surge immunity test [Criterion A]
- EN 61000-4-6:2014 Electromagnetic compatibility (EMC) – Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields [Criterion A]
- EN 61000-4-11:2020 Electromagnetic compatibility (EMC) – Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests [Voltage Dips: Criterion A] [5-second Short Interruption: Criterion C]

EU Declaration of Conformity (LVD)

The object of the declaration described above is in conformity with the **Low Voltage Directive 2014/35/EU** by means of conformity to the following harmonised standard:

- EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements *(identical to IEC 61010-1 3rd Edition)*

PLEASE NOTE that this product is not designed to provide protection from ionising radiation. Any customer using this product in such an application should provide their own protection.

EU Declaration of Conformity (Machinery Directive)

The object of the declaration described above is in conformity with the **Machinery Directive 2006/42/EC** as well as by means of conformity to the following harmonised standard:

- EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements *(identical to IEC 61010-1 3rd Edition)*

The Product Compliance Advisor, Timothy Davis, at the address above is authorised to compile the technical file.

EU/UK REACH Statement

In relation to **REACH Regulation (EC) No. 1907/2006**, this product contains SVHCs in a concentration above 0.1 % weight by weight (w/w) in an 'article'. Please see Andor's REACH Statement for details.

We continue to work with our suppliers on an on-going basis to monitor our supply chain for the relevant levels of SVHCs in any of our articles.

EU Declaration of Conformity (RoHS)

The object of the declaration described above is in conformity with **Directive 2011/65/EU** on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment as **amended by Directive (EU) 2015/863**.

Additional EMC Standards

This product also complies with the following:

- FCC Part 15 Subparts A and B Code of Federal Regulations
  Title 47: Telecommunications – Part 15: Radiofrequency Devices technical requirements
  [Class A up to 1 GHz – Not tested beyond this]
  - No FCC Mark as exempted under 47 CFR §15.103(c) *"A digital device used exclusively as industrial, commercial, or medical test equipment."*
- EN 61000-3-2:2014 Electromagnetic compatibility (EMC) – Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) [Class A]
- EN 61000-3-3: 2013+A1:2019 Electromagnetic compatibility (EMC) – Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

Additional Safety Standards

This product also complies with the following:

- UL 61010-1 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements (3rd Edition 2012)
- CAN/ CSA-C22.2 No. 61010-1-12 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements (3rd Edition)

CE Mark

CE Mark first applied to this product in the year 2009.

Claire Greenwood

Director of Engineering

11th October 2022

Belfast U.K.