



EU DECLARATION OF CONFORMITY

1. **Product Model/product:** OPIS 35 Product
SN: OPIS0001 through OPIS9999

2. **Manufacturer and authorized representative:**

Manufacturer: **Tornado Spectral Systems Inc.**
5155 Spectrum Way, Unit 6
Mississauga, ON
L4W 5A1, Canada.

European Authorized Representative: **Obelis S.A**
Boulevard General Wahis 53,
B-1030 Brussels, BELGIUM
Tel: 32 (0) 2 732 5954
Fax: 32 (0) 2 732 6003
Email: mail@obelis.net
Contact: **Mr. Gideon Elkayam**

3. **This Declaration of Conformity is issued under the sole responsibility of the manufacturer.**

4. **Object of the declaration:**

The OPIS 35 monochromatic IR laser accessory is an associated apparatus 'op is' output device for use only with the HyperFlux PRO Plus 785 Raman spectroscopy system or "PRO Plus". When used properly together with a PRO Plus, the OPIS 35 makes the PRO Plus instrument compatible with Intrinsically Safe requirements for a Zone 0 hazardous potentially explosive environment. The OPIS 35 cannot be used as a stand-alone unit, independent of a PRO Plus.

Type Identification: OPIS 35

Code: [Ex ia op is IIC T4 Ga]

ATEX Marking:



5. **A Raman analyzer accessory instrument which is in conformity with the provisions of the following Directives:**

- Low Voltage Directive (LVD) 2014/35/EU
- Electromagnetic Compatibility Directive (EMC) 2014/30/EU
- Restriction of Hazardous Substances (RoHS 3) Directive 2015/863/EU
- Potentially Explosive Atmospheres Directive 2014/34/EU



EU Declaration of Conformity- OPIS 35 (Annex X)

DOC: QC-098

REV: 2

REVIEWED BY:

Riyan Mohiyuddin

APPROVED BY:

Robert Ashby

Oct 31, 2022

6. The following harmonized standards and technical specifications have been applied:

LVD: EN 61010-1:2010-10 /A1:2019

EMC: EN 61326-1:2013

EN 61000-6-2:2005

EN 61000-6-4:2007+A1:2011

ATEX: EN 60079-0: 2018

EN 60079-11:2012

EN 60079-25:2018

7. Notified body details:

Name: QPS Europe B.V.

Address: Berg en Dalseweg 122, 6522BW Nijmegen,
The Netherlands, +31 (0)85 00 30 144

Identification number:  2876

8. Additional information:

EU Type Examination Certificate: QPS 20ATEX1000X

ATEX QAN number: QPS ATEXQ1000

Ambient: (+10°C ≤Ta≤+35°C)

Rating: 120Vac / 240Vac 8W 50/60Hz

MTL7728+

Uo = 28Vdc, Io = 93mA, Co = 0.083μF, Lo = 3.05mH

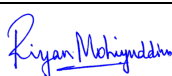
MTL7787+

Uo = 28Vdc, Io = 93mA, Co = 0.083μF, Lo = 3.05mH

The manufacturer shall ensure that the above specified product is in conformity with the samples detailed in this report.

The last two digits of the year in which the CE marking was affixed: **20**

Signed for and behalf of Tornado Spectral Systems Inc.

Place	Signature	Date
Mississauga, Ontario		31-Oct-2022

Name and Position:

Riyan Mohiyuddin, Quality Manager

5155 Spectrum Way, Unit 6,
Mississauga, ON, L4W 5A1
Canada.