



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CML 15.0054X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2018-01-30\)](#)
Date of Issue: 2020-11-10 [Issue 1 \(2017-11-03\)](#)
[Issue 0 \(2015-10-15\)](#)
Applicant: **HMI Elements Limited**
Unit A & B
Windmill Industrial Estate
Showfield Lane
Malton, North Yorkshire, YO17 6BT
United Kingdom
Equipment: **1700 Sa Desktop Media Converter**
Optional accessory:
Type of Protection: **Optical radiation**
Marking: [Ex op is IIC T6 Gb] and [Ex op is III C T85°C Db]
0°C to +40°C

Approved for issue on behalf of the IECEx
Certification Body:

D R Stubbings BA MIET

Position:

Technical Director

Signature:
(for printed version)

Date:

2020-11-10

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **HMI Elements Limited**
Unit A & B
Windmill Industrial Estate
Showfield Lane
Malton
North Yorkshire YO17 6BT
United Kingdom

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/CML/ExTR15.0070/00](#)
[GB/CML/ExTR20.0222/00](#)

[GB/CML/ExTR17.0201/00](#)

[GB/CML/ExTR17.0236/00](#)

Quality Assessment Report:

[NO/DNV/QAR09.0001/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The 1700 Sa Media Converter is a safe area desktop-mounted unit which serves to connect up to two fibre connections from the hazardous area to a copper Local Area Network for data management.

See Annexe for full description and Conditions of Manufacture

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Annexe for Conditions of Certification



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Refer to Annex for all certificate changes

Annex:

[15.0054X Annex.pdf](#)

Annexe to: IECEx CML 15.0054X Issue 3
Applicant: HMI Elements Limited
Apparatus: 1700 Sa Desktop Media Converter



Description

The 1700 Sa Media Converter is a safe area desktop-mounted unit which serves to connect up to two fibre connections from the hazardous area to a copper Local Area Network for data management.

The 1700 Sa Media Converter Device has an aluminium body with two end plate covers. The unit power source is ac mains via a standard 'IEC' socket and the detachable cable cord. The input socket also has a fuse and fuse holder, as well as a local 'I/O' switch.

There are two twin ST connector fibre ports and two RJ45 connectors for the Gigabit Ethernet ports, located on the rear end plate cover, along with the input power socket. Topology will that of an unmanaged switch.

The power and data link status will be indicated via the five panel LEDs on the front enclosure end plate.

Conditions of Manufacture

Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate. A copy of the certification and instructions shall be provided for the separately certified items fitted.

Specific Conditions of Use

The 1700 Sa Desktop 'op is' Media Converter device shall be installed in a clean and dry non-hazardous area only, with only the optical radiation output being suitable for a Zone 1 and/or 21 environment.

Variation 1

This variation includes the following modifications:

- i. Change of the manufacturer's name to Smart-Ex Technology Ltd.
- ii. Removal of reference to the previous company name from the model number.

Variation 2

This variation includes the following modification:

- i. Change of the manufacturer's name to HMI Elements Limited.

Variation 3

This variation introduces the following modification:

- i. Update IEC 60079-0 Ed 6 to IEC 60079-0 Ed 7

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