



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 EMT 23.0008X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-01-02
Applicant: **Online Electronics Limited**
Online House
Blackburn Business Park
Woodburn Road
Blackburn
Aberdeen, AB21 0PS
United Kingdom
Equipment: **EMTx40 Electromagnetic Transmitters**
Optional accessory:
Type of Protection: **Flameproof**
Marking: Ex db IIB+H₂ T6...T5 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Stephen Winsor

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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:

Element Materials Technology
Unit 1 Pendle Place
Skelmersdale
West Lancashire
United Kingdom





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Certificate No.: **IECEX EMT 23.0008X**

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Date of issue: 2024-01-02

Issue No: 0

Manufacturer: **Online Electronics Limited**
Online House
Blackburn Business Park
Woodburn Road
Blackburn
Aberdeen, AB21 0PS
United Kingdom

Manufacturing locations: **Online Electronics Limited**
Online House
Blackburn Business Park
Woodburn Road
Blackburn
Aberdeen, AB21 0PS
United Kingdom

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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 Report:

[GB/EMT/ExTR23.0013/00](#)

Quality Assessment Report:

[GB/TRC/QAR11.0002/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

EMTx40X-0D4 - 4x D cell EMTx40
EMTx40X-0D5 - 5x D cell EMTx40

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only use one complete set of new and identical batteries.
2. Only the following permitted batteries shall be used with the corresponding ambient temperature and temperature class:

Cell type	T _{amb}	T class
Procell Constant PC1300 (LR20)	-20 °C to +54 °C	T6
Energizer E95	-18 °C to +55 °C	T6
Saft LS 33600	-40 °C to +80 °C	T5

3. Batteries must be installed into the enclosure with the orientation detailed on the markings.
4. Repair of flame paths is not permitted by the end user.
5. Do not open when an explosive atmosphere may be present.
6. Units must be installed such that ignition sources due to impact and friction sparks are excluded.
7. Where used, the bleed screw must be tightened to a torque between 4 Nm and 8 Nm. Do not exceed 8 Nm.

Annex:

[Annex to IECEX Certificate of Conformity IECEX EMT 23.0008X.pdf](#)

Annex to IECEx Certificate of Conformity

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“Special conditions for manufacture”
None

Routine Tests
None

Manufacturer’s Documents			
Title:	Drawing No.:	Rev. Level:	Date:
EMTx40 ATEX IECEx UKEx file (6 sheets)	EMTx40_X001	A05	2023-12-20
EMTx40 Safety Instructions (4 sheets)	EMTx40_X002	A05	2023-12-20
EMTx40 Internal GA	EMTx40_X003	A01	2023-10-16
Housing	EMTx40_X004	A01	2023-10-16
BS Endcap	EMTx40_X005	A02	2023-11-24
PCB Endcap	EMTx40_X006	A02	2023-11-24
Bleed Screw	EMTx40_X007	A00	2023-02-24
Housing Markings	EMTx40_X008	A02	2023-11-24
PCB Layout	EMTx40_X009	A00	2023-03-20
Battery Monitoring	EMTx40_X010	A00	2023-03-20

* Denotes information not provided by manufacturer



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.