



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx FME 08.0001X

Issue No: 1

Certificate history:

Issue No. 1 (2017-01-10)

Issue No. 0 (2008-10-14)

Status: **Current**

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Date of Issue: **2017-01-10**

Applicant: **Eaton Electric Limited**  
Great Marlings,  
Luton,  
LU2 8DL  
**United Kingdom**

Equipment: **MTL4850 32 Channel HART Multiplexer**

*Optional accessory:*

Type of Protection: **Type of protection 'n'**

Marking: Ex nA IIC T4 Ta = -40°C to +70°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Mick Gower

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**FM Approvals Ltd**  
1 Windsor Dials  
SL4 1RS Windsor  
United Kingdom





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Manufacturer: **Eaton Electric Limited**  
Great Marlings,  
Luton,  
LU1 3JJ  
**United Kingdom**

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2007-10** Explosive atmospheres - Part 0:Equipment - General requirements  
Edition:5

**IEC 60079-15 : 2005-03** Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus  
Edition:3

*This Certificate **does not** indicate compliance with electrical 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/FME/ExTR08.0004/00](#)

[GB/FME/ExTR08.0004/01](#)

Quality Assessment Report:

[GB/BAS/QAR07.0017/06](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The MTL4850 32 channel HART Multiplexer enables a user to calibrate, configure and maintain an entire network of 'smart' field devices from a single workstation. It provides the multiplexing for up to 32 individual field devices, making each one addressable and identifiable. The multiplexer mounts directly onto a baseplate which provides the connection via the Field Termination assemblies to the Analogue Input or output field devices. The MTL 4850 is located within a non-metallic housing, which is not intended to provide protection against the ingress of liquids or dust. The device is intended to be located within an additional housing which provided this protection.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1. In Zone 2 installations, the MTL4850 shall be mounted within a tool-secured enclosure which meets the requirements of IEC 60079-0 and IEC 60079-15 and is capable of accepting one or more of the Zone 2 wiring methods specified in IEC 60079-14. Where installed in outdoor or potentially wet locations, the enclosure shall, at a minimum, meet the requirements of IP54. Where installed in locations providing adequate protection against the entry of solid foreign objects or water capable of impairing safety, the enclosure shall, at a minimum, meet the requirements of IP4X.
2. The installer shall ensure protection of supply terminals against transient voltages exceeding 140% of the rated supply voltage.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Company name change from Measurement Technology Limited, address change from Power Court, with related product labelling update.