



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

Certificate No.: IECEx FME 08.0003X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2010-10-27\)](#)
Date of Issue: **2010-10-27** [Issue No. 0 \(2008-07-01\)](#)

Applicant: **Relcom Inc**
2221 Yew Street,
Forest Grove,
Oregon 97116
United States of America

Electrical Apparatus: **FBT-6 & FBT-6-PA**
Optional accessory:

Type of Protection: **Intrinsic Safety "ia"; Intrinsic Safety "ic"; FISCO**

Marking: Ex ia IIC T4
Ex ic IIC T4
ta=-20°C to +50°C

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

Andrew Was

Position:

General 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](#).

Certificate issued by:

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





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Manufacturer: **Relcom Inc**
2221 Yew Street,
Forest Grove,
Oregon 97116
United States of America

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 : 2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition:4.0

IEC 60079-11 : 2006 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:5

IEC 60079-27 : 2005-04 Electrical apparatus for explosive atmospheres- Part 27: Fieldbus intrinsically safe concept (FISCO) and Fieldbus non-incendive concept (FNICO)
Edition:1.0

*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/ExTR08.0003/00](#)

Quality Assessment Report:

[FR/LCI/QAR06.0002/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The FBT-6 Fieldbus Monitor is used to test the condition of the fieldbus physical layer (cables, power conditioner, terminator, and wiring blocks). It is a passive device, listening to the communications on a fieldbus and making measurements and displaying them. The FBT-6 has two ports: a fieldbus port (3 colored banana jacks) and a USB port. The fieldbus port is connected to the fieldbus network via a 1m long cable to take measurements. The FBT-6 may be connected to any point on the fieldbus network where the FBT-6 fieldbus cable probes can be connected. Data collected is saved in the FBT-6. The FBT-6 is disconnected from the fieldbus and can then be connected to a PC USB port by connecting the supplied 2m USB cable between the FBT-6 USB port and the PC USB port. A model variation the FBT-6-PA is for use with Profibus PA Networks all of the hardware is identical, the only difference is internal firmware.

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1 The Fieldbus and the USB connection of the FBT -6 shall not be connected to electrical circuits at the same time.
- 2 All connections shall be supplied from a galvanically isolated intrinsically safe supply.



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

QAR Information amended.