



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 ETL 17.0029X

Issue No: 0

Certificate history:

Issue No. 0 (2017-06-01)

Status: **Current**

Page 1 of 4

Date of Issue: **2017-06-01**

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

Equipment: **FBT-6 & FBT-6-PA Fieldbus Monitor**

Optional accessory:

Type of Protection: **Intrinsic Safety 'ia', Intrinsic Safety 'ic', FISCO**

Marking:

Ex ia IIC T4 Ga

Ex ic IIC T4 Gc

-20°C ≤ Ta ≤ +50°C

IECEX ETL 17.0029X

Approved for issue on behalf of the IECEX
Certification Body:

Kevin J. Wolf

Position:

Certification Officer

Signature:
(for printed version)

Date:

2017-06-01

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America



IECEX Certificate of Conformity

Certificate No: IECEx ETL 17.0029X

Issue No: 0

Date of Issue: 2017-06-01

Page 2 of 4

Manufacturer: **Relcom Inc**
2221 Yew Street
Forest Grove, OR 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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:

[US/ETL/ExTR17.0035/00](#)

Quality Assessment Report:

[FR/LCI/QAR06.0002/07](#)



IECEx Certificate of Conformity

Certificate No: IECEx ETL 17.0029X

Issue No: 0

Date of Issue: 2017-06-01

Page 3 of 4

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 is connected to the fieldbus network via a 1 m 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 2 m USB cable between the FBT-6 USB port and the PCB 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 the internal firmware.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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



IECEx Certificate of Conformity

Certificate No: IECEx ETL 17.0029X

Issue No: 0

Date of Issue: 2017-06-01

Page 4 of 4

Additional information:

Annex:

[Annex IECEx ETL 17.0029X.pdf](#)



IECEX Certificate of Conformity

Certificate No:	IECEX ETL 17.0029X	Issue No. 0
Annex No. 1		

Manufacturer's documents
Drawings associated with Issue 0 of this certificate:

IECEX ETL 17.0029X

Title:	Drawing No.:	Rev. Level:	Date:
FBT-6 EX Certification Package	501-349	B.0	08 MAY 2017
FBT-6 EX Safety Instructions	501-350	C.0	16 MAY 2017

Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek
Total Quality. Assured.