



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 BAS 08.0073

Issue No: 4

Certificate history:

Issue No. 4 (2019-02-28)

Issue No. 3 (2017-05-25)

Issue No. 2 (2015-05-06)

Issue No. 1 (2014-04-30)

Issue No. 0 (2009-01-06)

Status: **Current**

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Date of issue: **2019-02-28**

Applicant: **FFE Ltd**
9 Hunting Gate
Wilbury Way
Hitchin
Hertfordshire
SG4 0TJ
United Kingdom

Equipment: **Talentum 16000 Series Temperature and Flame Detectors**

Options: **Accessory:**

Type of protection: **Flameproof & Dust**

Marking: **Ex db IIC T4 Gb**
Ex tb III C T135°C Db
T_{amb} = -40°C to 85°C

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

D BREARLEY
Certification
Manager

Position:

Technical Manager

Signature:

(for prior version)

Date:

11/3/19

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 validity and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom

SGS





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Manufacturer: **FFE Ltd**
9 Hunting Gate
Wilbury Way
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Hertfordshire
SG4 0TJ
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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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/BAS/ExTR08.0150/00](#)

[GB/BAS/ExTR15.0028/00](#)

[GB/BAS/ExTR17.0042/00](#)

[GB/BAS/ExTR19.0023/00](#)

Quality Assessment Report:

[GB/SIR/QAR13.0025/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Talentum 16000 Series Temperature and Flame Detectors comprises a cylindrical enclosure manufactured from aluminium alloy or stainless steel with a threaded cover containing a window. The base has three integral bosses, two of which are drilled and tapped to accept up to three cable entries, the third is used for the attachment of the label.

The interior comprises a Type 016xxx flame sensor manufactured by Talentum Developments Limited.

The flame detector is rated up to 30V, 1A.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure

SPECIFIC CONDITIONS OF USE: NO



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

Variation 4.1

Standards update from IEC 60079-0: Ed 6 to IEC 60079-0: Ed 7.

Variation 4.2

Approval of minor drawing changes.

ExTR: **GB/BAS/ExTR19.0042/00**

File Reference: **19/0045**