



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 12.0057X

Issue No: 3

Certificate history:

Status: **Current**

Issue No. 3 (2019-08-15)

Issue No. 2 (2018-08-09)

Date of Issue: **2019-08-15**

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Issue No. 1 (2013-03-13)

Issue No. 0 (2013-03-13)

Applicant: **Acezs Sensing Pte Limited**
2 Joo Koon Circle
629031
Singapore

Equipment: **Temperature Housings and Probes**

Optional accessory:

Type of Protection: **Flameproof and Increased safety**

Marking:

Ex db eb IIC T* Gb (Ta = -C to +**C) *&** - See Schedule**

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

R S Sinclair


Position:

Technical Manager

*Signature:
(for printed version)*

M POWNEY
Certification
Manager

Date:


19/8/19

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 Status 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





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Manufacturer: **Acez Sensing Pte Limited**
2 Joo Koon Circle
629031
Singapore

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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0
IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0
IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*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/BAS/ExTR12.0071/00](#) [GB/BAS/ExTR13.0029/00](#) [GB/BAS/ExTR18.0143/00](#)
[GB/BAS/ExTR19.0155/00](#)

Quality Assessment Report:

[GB/BAS/QAR13.0002/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The temperature housing and probe comprise of a type XD-AD housing to IECEx FMG 06.0003U, or types 1080St or 1080WT to IECEx SIR 09.0006U. The housing contains a terminal head or a temperature transmitter. The transmitter is limited to a maximum rating of 1.5 W.

The probes to IECEx BAS 12.0056X are attached to the NPT entry at the rear of the housings.

The temperature probe and housing is rated up to 1.5 W.

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).

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When fitted, The Spring Loaded Type (SLT) temperature probes have a flamepath length of 17 mm.
2. The welded (WT) and spring loaded (SLT) temperature probes minimum bend radius shall be 300 mm or greater. The bent type (BT) temperature probe has a minimum bend radius of 26 mm.



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

Variation 3.1

To clarify the type name as the Temperature Detector Type 2010 WT or Temperature Detector Type 2010 SLT or Temperature Detector Type 2010 BT.

Housing	Probe	Marking
Type AS-XD (A/S) Type 1080St / 1080WT Type XD-AD	Type 2010 SLT or Type 2010 WT	Ex db eb IIC T5 Gb (Ta = -30°C to +80°C) or Ex db eb IIC T6 Gb (Ta = -30°C to +65°C)
Type 1080St / 1080WT	Type 2010 BT (Model ATEX-03)	Ex db eb IIC T6 Gb (Ta = -40°C to +65°C)
Type AS-XD (A/S)	Type 2010 BT (Model ATEX-03)	Ex db eb IIC T6 Gb (Ta = -30°C to +65°C)
Type XD-AD	Type 2010 BT (Model ATEX-03)	Ex db eb IIC T6 Gb (Ta = -20°C to +65°C)

Variation 3.2

To confirm that the equipment been reviewed against the requirements of IEC 60079-0: 2017, IEC 60079-1: 2014 and IEC 60079-7: 2015.

Variation 3.3

To introduce the Specific Condition of Use Number 1 relating to the flamepath of the Spring Loaded Type temperature probe, when fitted

Variation 3.4

To introduce the Specific Condition of Use Number 2 relating to minimum bending radius of the temperature probes

Variation 3.5

To note the new IECEx Ex component certificate number for the Type XD-AD housing to IECEx FTZU 14.0003U. The old Type XD-AD housing certificate number of IECEx FMG 06.0003U is deleted from certification.

ExTR: GB/BAS/ExTR19.0155/00

File Reference: 18/0745