



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BAS 21.0009X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-07-05
Applicant: **A.W. Chesterton Company**
860 Salem Street
Groveland
Massachusetts 01834
United States of America
Equipment: **Chesterton Connect**
Optional accessory:
Type of Protection: **Intrinsic Safety**
Marking: **Ex ia IIB T4 Ga (-20°C ≤ Ta ≤ +85°C)**
Ex ia IIIB T₂₀₀166°C Da (-20°C ≤ Ta ≤ +85°C)

Approved for issue on behalf of the IECEx
Certification Body:

Mr R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

5/7/2021

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 www.iecex.com or use of this QR Code.



Certificate issued by:

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





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Date of issue: 2021-07-05

Issue No: 0

Manufacturer: **A.W. Chesterton Company**
860 Salem Street
Groveland
Massachusetts 01834
United States of America

Additional manufacturing locations: **Fourstar Connections**
1 Bonazzoli Avenue
Hudson, MA 01749
United States of America

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

This Certificate **does not** indicate compliance with 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/ExTR21.0015/00](#)

Quality Assessment Reports:

[GB/BAS/QAR21.0009/00](#)

[GB/BAS/QAR21.0010/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Chesterton Connect is a fixed vibration monitoring circuit with an external connection to permit connection to an external sensor in order to measure additional parameters. The equipment may be capable of measuring other parameters in its current design. The equipment is battery powered using a single 3.6 V Lithium Thionyl Chloride D-Type Cell. The cell is user replaceable and the equipment only permits the use of a Tekcell SB-D02 cell for the application. The equipment transmits data measured to a receiving device by means of a Bluetooth signal.

The Chesterton Connect is a two-part plastic assembly comprising of a base coloured grey and a blue lid with a transparent top that is light transmitting. The top cover screws on top of the base without the use of a tool. The base of the equipment contains a strong magnet and a rubberised boot for fixing the equipment in the designated location.

An M12 connector is available to permit the use of an external sensor. The external sensor is a special assembly of A.W. Chesterton's design and can only be obtained from A.W. Chesterton. If an external sensor is not used a special connector is provided that activates the equipment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The plastic enclosure is a potential electrostatic hazard. Clean only with a damp cloth and do not mount equipment directly in a high velocity dust laden atmosphere where the dust can flow over the equipment enclosure. This will prevent the build-up of electrostatic charge on the external surface of the equipment enclosure.
2. Replace cells only with a Tekcell SB-D02 cell in a non-hazardous area.
3. The installer must make adequate arrangements in the installation in order to ensure that the main body and its contents are maintained in the ambient temperature range of the equipment.