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 DNV 21.0037X**

Page 1 of 4

Certificate history:
Issue 0 (2021-07-09)

Status: **Current**

Issue No: 1

Date of Issue: 2024-03-11

Applicant: **BARTEC GmbH**
Max-Eyth-Staße 16
97980 Bad Mergentheim
Germany

Equipment: **Sensor EXaminer CUI (relative humidity, water presence and temperature)**

Optional accessory:

Type of Protection: **Intrinsic safety**

Marking: Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ +80°C

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

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version)

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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway

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Certificate No.: **IECEx DNV 21.0037X**

Date of issue: 2024-03-11 Issue No: 1

Manufacturer: **BARTEC GmbH**
Max-Eyth-Staße 16
97980 Bad Mergentheim
Germany

Manufacturing locations:

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 Reports:

NO/DNV/ExTR21.0033/00 NO/DNV/ExTR21.0033/01

Quality Assessment Report:

DE/TUN/QAR06.0017/14

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The EXaminer CUI sensor will detect Relative Humidity, Temperature and Water Presence in CUI (Corrosion Under Insulation) applications.

The EXaminer sensors are battery operated by two cells serial coupled. The cells are non-chargeable. The electronics and cells are mounted inside a non-metallic enclosure. The enclosure is then filled with casting compound. The EXaminer unit cannot be opened and has no physical wiring terminals. Communication takes place through the Bluetooth communication protocol or NB-IoT/LTE-M integrated in the electronics of the unit. The cells cannot be charged or replaced.

The difference between the models CUI 310 and CUI 311 is only the shape of the external enclosure. The electronics and functionality are equal.

SPECIFIC CONDITIONS OF USE: YES as shown below:
-Equipment must be mounted on the metallic enclosure and/or contact with eart must be assured.

- Potential electrostatic charging hazard - see instructions.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
The product is updated to improve stability in radio communication. In addition, a new NFC interface and a flash memory is added. The BLE module is removed. Changes to schematics.

A new model is introduced (311 CUI). The electronics for both models are identical, but there are changes in the layout and external enclosure.