



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 DEK 15.0075X

Issue No: 3

Certificate history:

Issue No. 3 (2018-12-20)

Issue No. 2 (2017-02-13)

Issue No. 1 (2016-10-14)

Issue No. 0 (2016-05-03)

Status: **Current**

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Date of Issue: **2018-12-20**

Applicant: **Elster GmbH**
Steinern Strasse 19-21
55252 Mainz-Kastel
Germany

Equipment: **Gas Analyser GasLab Q2**

Optional accessory:

Type of Protection: **Ex db**

Marking:
Ex db IIC T4 Gb

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

L.G. van Schie

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

2018-12-20

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:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: **Elster GmbH**
Steinern Strasse 19-21
55252 Mainz-Kastel
Germany

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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*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:

[NL/DEK/ExTR15.0100/03](#)

Quality Assessment Report:

[DE/TUN/QAR11.0003/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Gas Analyser Type GasLab Q2 is a compact analyzer comprising two Aluminium compartments in type of protection Ex db. The upper compartment is the termination compartment for power supply and data communication, it is provided with four M20 x 1.5 entries. The lower compartment contains the electronics for processing, gas sensors, touch screen Human Machine Interface HMI and gas connection facilities with flame arrestors. Both compartments comprise Ex db breather elements.

Ambient temperature range: -25 °C to +55 °C.

Electrical data

Rated voltage: 24 Vdc

Rated power: 96 W

SPECIFIC CONDITIONS OF USE: YES as shown below:

Dimensions of the flameproof joints are detailed in the manufacturer's design documents.

For painted models: the housing may only be cleaned with a moist cloth because of potential static charging.



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

For issue 3:

- Change of enclosure material,
- Minor mechanical changes,
- Addition of gas nozzle option.