



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 TUN 10.0011X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2011-09-28

Applicant: **Scancon A/S**
Tranevang 1
3450 Allerød
Denmark

Equipment: **Encoder type 2REXI-A... and 2REXI-H...**

Optional accessory:

Type of Protection: **Flameproof enclosure "d" and protection by enclosure "t"**

Marking: Ex db IIB T5
Ex tb IIIB T100 °C Db, IP65

Approved for issue on behalf of the IECEx
Certification Body:

Karl-Heinz Schwedt

Position:

Head of the IECEx Certification Body

Signature:
(for printed version)

Date:

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:

TÜV NORD CERT GmbH
Hanover Office
Am TÜV 1, 30519 Hannover
Germany





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Page 2 of 3

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Manufacturer: **Scancon A/S**
Tranevang 1
3450 Allerød
Denmark

Additional
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 60079-0:2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-31:2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:1

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:

[DE/TUN/EX TR10.0012/00](#)

Quality Assessment Report:

[GB/ITS/QAR10.0007/00](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Incremental Encoder type 2REXI is a small cylindrical unit (68 mm in diameter, length about 85 mm depending on middle section), containing low voltage electronic components. The four piece construction is manufactured from aluminium, stainless steel or acid-proof stainless steel. The Encoder can be marked IP 64, IP65, IP66 or IP67 depending on actual configuration. (IP X7 for max. 1 meter submersion). The middle section is designed for 1/2 " NPT or M20 thread for the cable entry device.

Technical data

Supply voltage: 4.5 to 30 VDC / max 100 mA

Permitted range of the ambient temperature: - 40 °C to +70 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

The reference pressure has been measured to 5.0 bar. The encoder has been type tested with a static pressure of 4 times the measured reference pressure – i.e. 4 x 5 bar = 20 bar. In accordance with IEC 60079-1 clause 16.2, routine testing in the production can be omitted.

The encoder is delivered without cable entry device. The user must fix a suitable Ex certified cable entry device to fulfilling IEC 60079-1 (Ex d) requirements.