



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 DEK 24.0022X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-04-25
Applicant: **Exalon Delft B.V.**
Rotterdamseweg 183C
2629 HD Delft
Netherlands
Equipment: **Universal Tank Thermometer Interface, Type X62T and X59T**
Optional accessory:
Type of Protection: **Ex i**
Marking: **Ex ia [ia Ga] IIB T4 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-04-25

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:

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





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Page 2 of 3

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Manufacturer: **Exalon Delft B.V.**
Rotterdamseweg 183C
2629 HD Delft
Netherlands

Manufacturing
locations: **Exalon Delft B.V.**
Rotterdamseweg 183C
2629 HD Delft
Netherlands

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:

[NL/DEK/ExTR24.0026/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0069/07](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Universal Tank Thermometer Interface, Type X62T and X59T converts the signals of various temperature and capacitive sensors into a digital signal.

It is provided with an enclosure with a degree of protection of at least IP44 in accordance with IEC 60529.

The transmitter may be installed into hazardous locations where EPL Gb equipment is required.

The sensor / input circuits may extend into hazardous locations in which EPL Ga equipment is required.

Ambient temperature range: -40 °C ... +70 °C.

Electrical data

Supply / Output circuit (terminal CN1):

in type of protection intrinsic safety Ex ia IIB, only for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 30 \text{ V}$; $I_i = 270 \text{ mA}$; $P_i = 1.2 \text{ W}$; $C_i = 5 \text{ nF}$; $L_i = 0$

Sensor / Input circuit (terminal CN3; circuits combined):

in type of protection intrinsic safety Ex ia IIB, with the following maximum values:

$U_o = 5.9 \text{ V}$; $I_o = 62 \text{ mA}$; $P_o = 92 \text{ mW}$; $C_o = 900 \text{ }\mu\text{F}$; $L_o = 100 \text{ }\mu\text{H}$ (linear characteristic)

The Supply / Output circuit is infallible galvanically isolated from the Sensor / Input circuit.

SPECIFIC CONDITIONS OF USE: YES as shown below:

When the built-in surge protection device is enabled, isolation of the Power supply / Output circuit / HART to earth is reduced to 90V. This shall be taken into account in the design of the intrinsically safe system.