



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 PRE 16.0043

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2018-10-15)

Issue No. 0 (2017-10-27)

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Date of Issue: **2018-10-15**

Applicant: **LORD Corporation, Stellar Technology**
237 Commerce Drive
Amherst, New York, 14228
United States of America

Equipment: ***T2450 Transmitters**

Optional accessory:

Type of Protection: **Intrinsically Safe - Ex ia**

Marking:

Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ +85°C

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

Asle Kaastad

Position:

Certification Manager

*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 the [Official IECEx Website](#).

Certificate issued by:

DNV GL Nemko Presafe AS
Veritasveien 3
1363 Høvik
Norway





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Manufacturer: **LORD Corporation, Stellar Technology**
237 Commerce Drive
Amherst, New York, 14228
United States of America

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

*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:

[NO/PRE/ExTR16.0029/00](#) [NO/PRE/ExTR16.0029/01](#)

Quality Assessment Report:

[US/ETL/QAR17.0008/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Stellar Technology *T2450 is a family of instrumentation products that includes Pressure Transmitters, Temperature Transmitters, Load Cells and Strain Gauge Amplifiers that have 4-20mA output and are rated for hazardous location service. All products in the family are provided with a metallic enclosure and either integral cable or a receptacle for electrical termination.

The transmitters have the following entity parameters:

$U_i = 28V$, $I_i = 93mA$, $P_i = 651mW$, $C_i = 41.5nF$, $L_i = 1.41mH$

SPECIFIC CONDITIONS OF USE: NO



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

Issue 1: Minor drawing change not impacting safety.