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 PRE 16.0008X**

Certificate history:
Issue 1 (2020-05-08)
Issue 0 (2016-05-04)

Status: **Current**

Issue No: 2

Date of Issue: 2022-11-16

Applicant: **BARTEC TECHNOR AS**
Vestre Svanholmen 24
Sandnes 4313
Norway

Equipment: **Liquid level illumination (level gauge - backlight) fixtures , type: TNCLS**

Optional accessory:

Type of Protection: **"e", "m", "tb" and "op is"**

Marking: Ex eb mb op is IIC T4 Gb, -35°C ≤ Ta ≤ +60°C

Ex tb IIIC T130°C Db, -35°C ≤ Ta ≤ +60°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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Date of issue: 2022-11-16 Issue No: 2

Manufacturer: **BARTEC TECHNOR AS**
Vestre Svanholmen 24
Sandnes 4313
Norway

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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

NO/PRE/ExTR16.0021/00 NO/PRE/ExTR16.0021/01 NO/PRE/ExTR16.0021/02

Quality Assessment Report:

NO/NEM/QAR07.0003/13

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

Diode based backlighting source for illuminating liquid level gauges mounted on tanks and vessels.

TNCLS - XX (= module size /length in cm) - X (= Number of modules connected together)

When modules are joined together, they are supported by splice brackets along with welding of bolts.

General data: input: 110 – 254 Volt, 50 / 60 Hz. DC: Max. 62 Vdc

IP-protection:

Equipment with EPDM gasket: IP64

Equipment with silicon gasket: IP66

SPECIFIC CONDITIONS OF USE: YES as shown below:

To be used in an area where there is risk of low mechncial danger.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Ambient temperature modified from -25° C to -35°C and compliances towards the latest standard IEC 60079-0:2017