



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 14.0016X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2014-08-15)

Status: **Current** Issue No: 1

Date of Issue: 2021-06-16

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

Equipment: **Xbeam A EX (Antenna)**

Optional accessory:

Type of Protection: **Ex e & Ex tb**

Marking: Ex eb IIC T6 Gb
Ex tb IIIC T85°C Db
-40°C < Ta < +60°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 www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 3
Hovik 1363
Norway





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

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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/ExTR14.0014/00](#)

[NO/PRE/ExTR14.0014/01](#)

Quality Assessment Report:

[NO/NEM/QAR07.0003/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This certificate cover an antenna for bracket mounting. The antenna is manufactured with permanently connected unterminated cable of different length. The antenna can be delivered with three different antennas PCB's for different frequencies

Type Identification

Xbeam A EX *

*= frequency (2.4 , 5, 2.4-5.8) GHz.

IP 66 & 67 according to IEC 60079-0

Electrical Data

Max input voltage: 20Vpp

Max input power: 2W (RF)

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The antenna must be mounted on the belonging bracket and the bracket has to be connected to earth.
- The antenna is constructed with permanently connected unterminated cable that must be properly protected and the end connection must be carried out in an appropriate certified "Ex e" or "Ex d" enclosure or in safe area.
- Additional clamping of cable shall be installed to ensure that pulling and twisting is not transmitted to the terminations inside the antenna.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Assessment for new bushing assembly (alternative 2),
assessment for IEC 60079-0 Ed.7 IEC 60079-7 Ed.5.1,
IEC 60079-31 Ed.2 & assessment for -40 ambient.