(1) # EC-Type-Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3)	**Certificate Number**	**TÜV 12 ATEX 101150 U**
(4)	for the component:	Enclosures, type: TNXCD
(5)	of the manufacturer:	BARTEC TECHNOR AS
(6)	Address:	Dusavikveien 39, P.O. Box 658, 4003 Stavanger, Norway
	Order number:	8000 407614
	Date of issue:	2013-09-04

(7) The design of the component and any acceptable variation thereto are specified in the schedule to this EC-Type-Examination Certificate and the documents therein referred to

(8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 12 203 101150.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 EN 60079-1:2007 EN 60079-31:2009
EN 60079-7:2007

(10) If the sign "U" is placed after the certificate number, it indicates that this certificate must not be confounded with an EC-Type-Examination Certificate which is destined for an equipment or protective system. This component certificate must only be used as a basis for a certification of equipment and protective systems.

(11) This EC-type-examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

II 2G Ex db IIC Gb or Ex de IIC Gb
II 2D Ex tb IIIC Db

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body

Meyer

Hanover office, Am TÜV 1, 30519 Hannover, Fon +49 (0)511 986 1455, Fax +49 (0)511 986 1590

(13) SCHEDULE

(14) EC-Type-Examination Certificate No. TÜV 12 ATEX 101150 U

(15) Description of component

The Enclosures, type: TNXCD are certified as empty enclosures. When the product is finally mounted with internal components the final certification must take place.

Type key:

TNXCD Ex "d"		
TNXCD	Diameter [mm]	Tube length [mm]
XCD1003200	101	193
XCD1003360	101	360
XCD1303100	132	100
XCD1303200	132	200
XCD1303360	132	360
XCD1953290	195	290

TNXCD Ex "de"			
TNXCD	Diameter [mm]	Tube length [mm]	Junction box "e" [mm]
XCD1002200	100	193	39
XCD1002360	100	360	39
XCD1301100	130	100	45
XCD1301200	130	200	45
XCD1301360	130	360	45
XCD1951290	195	290	59

Technical data:

IP 64 (with terminal box)	IP 66 (without terminal box)

Enclosure / part	Ta min	Ta max	Max. service temperature
polycarbonate dome	-50 °C		100 °C
cementing between the housing and the light transmitting part	-50 °C		80 °C
"d" enclosure (without terminal box)	- 50 °C (see also routine test)	60 °C	
"de" enclosure (with terminal box)	-20 °C	60 °C	Gasket of the terminal box: 90 °C
"t" enclosure (with terminal box)	-20 °C		
"t" enclosure with NBR 70 o-rings (without terminal box)	-30 °C		O-rings: 100 °C
"t" enclosure with Viton o-rings (without terminal box)	-20 °C		O-rings: 100 °C
"t" enclosure with VMQ-Silicone o-rings (without terminal box)	-50 °C		O-rings: 100 °C

(16) Test documents are listed in the test report No. 12 203 101150

(17) Special conditions for safe use

The series of Enclosures, type: TNXCD has been evaluated as empty enclosures.

(18) Essential Health and Safety Requirements

no additional ones