

[1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

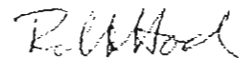
- [3] EC-Type Examination Certificate Number: Nemko 01ATEX430
- [4] Equipment or Protective System: Flashing Beacon
- [5] Manufacturer: Technor
[6] Address: Dusavikveien 39
 4003 STAVANGER
 NORWAY
- [7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 confidential report no. 200129171
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999,
CENELEC EN 50018: 2000 and CENELEC EN 50019: 2000
IEC 60079-0: 2000, IEC 60079-1: 2001 and IEC 60079-7: 1990 + A1: 1991 + A2: 1993
- [10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- [11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- [12] The marking of the equipment or protective system shall include the following :



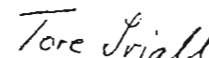
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EEx d IIC T4 or EEx de IIC T4

Oslo, 2001-11-26



Rolf Hoel
Certification Manager



Tore Irjall
Project Engineer

This certificate may only be reproduced in its entirety and without any change. schedule included.

[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 01ATEX430****[15] Description of Equipment or Protective System**

This Certificate covers enclosures of stainless steel or aluminium with xenon tube inside, enclosure part according to certificate Nemko 00ATEX375U. Dome supplied in various colors

Type Designation

TNFCD / TNFAD or TNFCDM / TNFADM

CD = stainless steel / AD = aluminum

Technical Data

Max 254V AC 50/60Hz or Max 120V DC (for TNFCDM 60V DC)

T amb. 60°C

Ingress Protection Code

IP66/67 according to EN 60529.

[16] Report No. 200129171

Composed in total 3 pages and 6 pages of descriptive documents

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
Typelabel for TNFCD and TNFCDM	TNF-61-5	C	08.10.01	01
Typelabel for TNFCD and TNFCDM	TNF-66-5	C	08.10.01	01
Typelabel for TNFAD and TNFCDM	TNF-67-5	D	08.10.01	01
Typelabel for TNFAD and TNFADM	TNF-75-5	C	08.10.01	01
Flash light with or without ext. triggering facilities	TNF-83-5	C	08.10.01	01
General arrangement drawing Cut through Flashing beacon TNFCD, TNFAD, TNFCDM, TNFADM	TNF-86-5	A	24.10.01	01

[17] Special Conditions for Safe use

None

[18] Essential Health and Safety Requirements

See item 9

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SUPPLEMENT 1 TO EC-TYPE EXAMINATION CERTIFICATE**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 01ATEX430****[15] Description of Equipment or Protective System**

This Certificate covers a lower service temperature of -50°C. Due to the low service temperature the reference pressure testing has been done according to the final IEC 60079-1 draft (31A/114/FDIS)

Certification with Tamb. -50°C is limited to TNFCD / TNFAD / TNFCDM / TNFADM 100 versions or with less volume. Cementing type DP190 and dome material type PC943 shall be used.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999 (IEC 60079-0: 2000)

CENELEC EN 50018: 2000 (IEC 60079-1: 2001 and draft 31A/114/FDIS)

CENELEC EN 50019: 2000 (IEC 60079-7: 2001)

[16] Report No. 16460 incorporated previously issued report 200129171**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Certification Drawing for TNXCD/AD Main enclosure EEx de/d	XCD-19-4	D	25.10.01	1

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See item 9

Oslo, 2005-05-26

This certificate replaces Nemko 03ATEX430 supplement 1, dated 2004-02-27.



Rolf Hoel

Certification Department

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Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

Office address:
Gaustadalléen 30
0373 OSLO

Telephone:
+47 22 96 03 30
Fax:
+47 22 96 05 50

Enterprise number:
NO 974404532

SUPPLEMENT 2 TO EC-TYPE EXAMINATION CERTIFICATE

[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 01ATEX430

[15] Description of Equipment or Protective System

This Certificate is extended for type TNFCDM to include protection against combustible dust, and the code:

II 2 GD[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
CENELEC EN 50281-1-1: 1998

[16] Report No. 16460

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
Typelabel for TNFCDM	TNF-95-5	A	05.10.04	1

[17] Special Conditions for Safe Use
None[18] Essential Health and Safety Requirements
See item 9

Oslo, 2004-10-07

Rolf Hoel
Certification Department*This certificate may only be reproduced in its entirety and without any change, schedule included.*Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAYOffice address:
Gaustadalléen 30
0373 OSLOTelephone:
+47 22 96 03 30
Fax:
+47 22 96 05 50Enterprise number:
NO 974404532