





TORCIA TX40 Certificata


- Senza Manutenzione
- Attivazione luce di emergenza
- La tecnologia a Induzione permette la ricarica della torcia anche all'interno delle zone 
- Utilizza le tecnologie LED di ultima generazione
- Ottimizzazione delle prestazioni per una lunga durata della batteria
- 3 anni di garanzia

Caratteristiche Tecniche:

Modello	Torcia	TX40
	Caricatore	CX40
Misure (mm)	Torcia	230x70x70
	Caricatore	185x65x60
Codici di certificazione	Torcia	 II 1 G Ex ia IIC T3
	Caricatore	 II 2 G Ex mb II T4
Area Classificazione (gas)	Torcia	Zones 0, 1 & 2 - Gas groups IIA, IIB, IIC
	Caricatore	Zones 1 & 2 - Gas group II
Temperatura operativa	-40/60°C	
Grado di Protezione IP 67	Protezione totale alla penetrazione di corpi solidi e polveri. Protezione totale contro l'immersione in acqua momentanea per 30 minuti a 1 metro di profondità	
Tipo di luce, effetto	Led ad alta efficienza, 3 Watt	
Performance (lm)	200 lm	
Tempo di operatività	5 ore	
Tempo di ricarica	3 ore (80% in 2 ore)	
Vita operativa media	Oltre 1.000 cicli di ricarica	

TSecNet s.r.l. è un'azienda di **Global Security** con ampio *know-how* e importanti partnerships basato su:

- un *Team* di specialisti dalla diversificata esperienza internazionale le cui attività sono finalizzate;
 - alla progettazione e alla realizzazione di architetture anche complesse di sistemi elettronici integrati di **security**;
 - alla continua individuazione di prodotti e servizi innovativi atti a soddisfare le richieste dei Clienti più esigenti;
- una **Rete di Partner** costituita da:
 - esperti **ICT, Security, Management Marketing**;
 - aziende italiane, israeliane, norvegesi e americane produttrici di tecnologie all'avanguardia sia per l'*on shore* che per l'*off shore*;

TSecNet s.r.l. è Agente/Distributore per l'Italia di HERNIS, azienda del gruppo Vislink.

Da oltre 25 la HERNIS sviluppa sistemi avanzati di videosorveglianza e di "safety" per i settori Oil&Gas e Marino con installazioni e sistemi presenti in tutto il mondo. Le soluzioni della HERNIS, leader nel settore specifico, contribuiscono ad aumentare l'efficienza e a fornire una maggiore sicurezza alle persone e alle attrezzature che operano in aree pericolose ed in condizioni estreme.

Per maggiori informazioni www.hernis.com



Di seguito le certificazioni dei prodotti:



DET NORSKE VERITAS 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: **DNV-2008-OSL-ATEX-38719**
- [4] Equipment or Protective System: **Torch and charger**
- [5] Applicant – Manufacturer or Authorized representative: **HERNIS Scan Systems AS**
- [6] Address: **Tangen Alle 41
4809 Arendal, 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] DNV, notified body number 0575 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. : **2008-3556**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2006, EN 60079-11: 2007 and EN60079-18: 2004
- [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 and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.
- [12] The marking of the equipment or protective system shall include the following:



II 2 G Ex mb II T4 (Charger) Tamb: -40°C to +60°C
II 1 G Ex ia IIC T3 (Torch) Tamb: -40°C to +60°C

Høvik, 2008-12-09
for Det Norske Veritas Certification AS

Marianne Spæren
Certification Manager



Håkon S. Håkonsen
Technical Reviewer

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300,000. In the provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No.: DNV-2008-OSL-ATEX-38719

Certificate History

Revision	Description	Issue date
	Original certificate	2008-12-09

[15] **Description of Equipment or Protective System**

The Reference system consists of an intrinsically safe LED torch with rechargeable batteries, and an encapsulated charger unit. The charging system utilizes galvanic power transfer between the two items.

Type Identification

Reference CX40 (charger) and TX40 (torch)

Electrical Data

CX40: U_{nom} = 230 Vac, 50/60 Hz, I_{max} = 1 A

Degrees of protection (IP Code)

IP67

[16] **Report No.:** 2008-3556

Project No.: PRJC-92314-2008-PRC-NOR



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EC-TYPE EXAMINATION CERTIFICATE No.: DNV-2008-OSL-ATEX-38719

Descriptive Documents

Number	Title	Rev.	Date
AX690001-B	General arrangement, reference small light, charger 3 sheets	B	2008-10-10
AX630002-C	Construction drawing, DNV marking plate 1 sheet	C	2008-10-08
SCH140606W3	Charger 1 sheet	E	2008-09-12
P440160D	Printed board assembly 2 sheets	D	2008-05-22
AX601016-A	Construction drawing, foam 1 sheet	A	2008-09-30
DOC190207W2	Charger CX40 4 sheets	E	2008-09-22
P440140F	Printed Board Assembly 2 sheets	F	2008-11-27
DOC040806W1	Torch TX 40 (parts list) 6 sheets	D	2008-12-08
SCH140606W1	Schematics 3 sheets	D	2008-05-21
SCH140606W2	LED and reed 1 sheet	C	2008-05-21
DOC060307W1	Torch LX 2.4.2.1 (parts list) 1 sheet	E	2008-11-17
AX690000-A	Construction drawing Reference small light 2 sheets	-	2008-10-01
AX601019-A	Construction drawing main bracket battery 1 sheet	-	2008-10-01
AX601020-A	Construction drawing, sponge 1 sheet	-	2008-10-01
AX601023-A	Construction drawing, cooling rubber feet 1 sheet	-	2008-10-01
AX601024-A	Construction drawing, LED cooling rubber sheet 1 sheet	-	2008-10-01
AX601027-A	Construction drawing, reflector 1 sheet	-	2008-10-01
AX601028-A	Construction drawing, backing bracket 1 sheet	-	2008-10-01
AX601029-A	Construction drawing, glass frame 1 sheet	-	2008-10-01
AX601000-A	Construction drawing, glass D50x3 1 sheet	-	2008-10-01
AX601002-F	Construction drawing PBA 3WT – TX40 1 sheet	-	2008-11-20
AX601003-C	Construction drawing PBA Led & reed – TX40 1 sheet	-	2008-11-20
P440150C	WPC, LED and REED 2 sheets	C	2007-06-18
AX630001-C	Construction drawing, DNV marking plate 1 sheet	C	2008-10-14
DOC300107W2	Inductor secondary 2 sheets	D	2008-11-10

Routine tests:

- A visual inspection shall be carried out on all encapsulated apparatus according to clause 9.1 of EN 60079-18: 2004.
- A dielectric strength test shall be carried out on the charger unit according to clause 9.2 of EN 60079-18: 2004

[17] Special Conditions for Safe Use
None

[18] Essential Health and Safety Requirements
See part 9 of this certificate

END OF CERTIFICATE



If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 200 000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

Il periodo di garanzia totale, che comprende anche quello previsto dalla normativa vigente, è di 36 mesi a partire dalla data di spedizione dalla fabbrica e copre i difetti di fabbricazione e/o di progettazione difettosa dei prodotti.

La garanzia comprende le attività lavorative necessarie per la sostituzione delle parti necessarie a ripristinare il prodotto in fabbrica. Di norma viene sostituita l'unità guasta. La spedizione del prodotto è a carico del Cliente.

Non sono compresi nella garanzia danni ai prodotti derivanti da incuria, uso improprio, manomissioni, incendio, fulmini e qualunque altra causa imputabile e non dipendente dal costruttore e fornitore. Non sono comprese nella garanzia spese accessorie quali trasporto, ore viaggio, installazione, ecc. Al termine del periodo di garanzia il Cliente potrà ugualmente usufruire, a proprie spese, dei servizi dei centri di assistenza autorizzati.