

EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System intended for use
in Potentially explosive atmospheres
Directive 94/9/EC



- [1]
[2]
- [3] EC-Type Examination Certificate Number: DEMKO 03 ATEX 0302831X
- [4] Equipment or Protective System: **db-4000EZ, NoisePro, NoisePro DL, NoisePro DLX, and NoisePro DLX-1 Dosimeters. The dosimeters may be provided with accessories 053-867, microphone, 053-885, boom microphone and or 053-862 vibrating belt clip.**
- [5] Manufacturer: Quest Technologies Inc
- [6] Address: 1060 Corporate Center, Oconomowoc WI 53066
- [7] This equipment or protective system and any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.
- [8] UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the 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 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: 03NK02831 Report
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014:1997 and A1, A2 EN50020:2002
- [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 this Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.
- [12] The marking of the equipment or protective system shall include the following:

 I M2/II 2G EEx ib I/IIB T4

I M2/II 2D T 135 °C

On behalf of UL International Demko A/S

Herlev, 2003-08-27


Karina Christiansen
Certification Manager

Certificate 03 ATEX 0302831X
Report No. 03NK02831

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P3

Schedule

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[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 03 ATEX 0302831X

[15]

Description of Equipment or protective system

db-4000EZ, NoisePro, NoisePro DL, NoisePro DLX, and NoisePro DLX-1 dosimeters. The Metrosonics Model db-4000EZ and Quest Models NoisePro, NoisePro DL NoisePro DLX and NoisePro DLX-1 noise dosimeters consist of a cable mounted microphone that converts sound pressure into electrical signal for noise assessments. The user wears the dosimeter, and measures noise levels and stores data within the user's work zone. Power is provided by two alkaline batteries. The stored information may be downloaded to a computer in a safe area via IRDA. The dosimeters may be provided with accessories 053-867, microphone, 053-885, boom microphone and or 053-862 vibrating belt clip.

All models are identical except for label and factory installed software inputs.

Electrical data:

3.0V from 2 series alkaline batteries. Allowable batteries are Eveready Energizer E91 MAX and "Industrial" and GE/Sanyo "Power Cell"

Temperature Range:

The ambient temperature range of these devices is $-10^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$

Routine tests:

None.

[16]

Report No.

Project Report No.: 0302831 (Hazardous Location Testing)
Project Report No.: 0329518 (Hazardous Location Testing)
Project Report No.: 0407638 (Hazardous Location Testing)
Project Report No.: 0503580 (Hazardous Location Testing)
Project Report No.: 0616073 (Hazardous Location Testing)

Drawings:

	Drawing	Rev	Sheet	Date	Title
1	053C-217	C	11	2006-05-12	Noisepro Power Bd:
2	053C-218	C	2	2006-05-12	Power Bd - SMD
3	053B-218	F	8	2006-05-11	BOM:Power Bd
4	053C-802	C	1	2005-03-22	Noisepro Power Bd:Assy
5	053D-802	E	1	2006-05-12	Power Board Sch
6	053C-219	D	13	2004-12-15	Digital Board Drill
7	053C-220	D	2	2004-12-15	Digital - SMD
8	053B-220	H	16	2006-05-11	Bom:Digital
9	053C-803	C	1	2004-02-11	Assy, Noisepro Digital Board:

UL International Demko A/S

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Certificate: 03 ATEX 0302831X
Report: 0616073

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Schedule

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10	053D-803	G	1 & 2	2006-05-11	Noisepro Digital Bd:Sch
11	053D-804	C	1 & 2	2003-09-22	Noisepro Analog Bd:Sch
12	053C-221	D	11	2003-11-05	Noisepro Analog Bd:Drill
13	053D-222	D	1	2003-11-05	Noisepro Analog Bd:SMD
14	053B-222	E	14	2003-11-25	Bill Of Material Analog
15	053C-804	C	1	2003-09-30	Assy, Noisepro Analog Board:
16	053C-316	A	6	2003-08-14	Vib Blt Clip Bd.
17	053C-862	C	1	2003-10-24	Vib Blt Clip Assembly
18	053B-862	A	1	2003-03-14	Vib. Blt Clip Schematic
19	053C-812	A	1	2003-07-14	Front Cover Assy, Noisepro
20	053E-807	G	1	2005-08-24	Assy, Noisepro
21	053E-871	F	1	2005-08-24	Assy, DB-4000EZ
22	053D-811	B	1	2003-09-08	Assy, Noisepro Battery Door:
23	053D-201	B	1	2003-07-17	Noisepro/dB-4000EZ Case Back
24	053D-202	C	1	2004-07-29	Noisepro/dB-4000EZ Case Front
25	053C-231	D	1	2006-02-28	Lens
26	053D-213	B	1	2003-09-25	Membrane Switch
27	053D-214	C	1	2005-02-11	Front Overlay
28	053C-290	C	1	2004-10-19	Gasket
29	053C-371	A	1	2003-08-15	Marking and Warning labels (from instruction manuals)
30	053D-867	F	1	2006-08-08	Assy, Noisepro Mic.
31	053E-877	D	1	2005-02-15	Assy Noisepro, Type 1Mic
32	053C-400	C	1	2004-01-06	Boom Mic Mast
33	053C-401	D	1	2005-02-05	Boom Mic Cap
34	053C-402	C	1	2006-05-03	Boom Mic nut
35	053C-315	A	1	2003-08-04	Vib Clp Label

[17] Special conditions for safe use:

The dosimeters may be provided with accessories 053-867, microphone, 053-885, boom microphone and or 053-862 vibrating belt clip. Allowable batteries are Eveready Energizer E91 MAX and "Industrial" and GE/Sanyo "Power Cell".

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- [18] Essential Health and Safety Requirements
Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

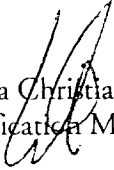
Additional information

None.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2006-08-16


Karina Christiansen
Certification Manager

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