

# [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 07ATEX1188**

[4] Equipment or Protective System: **2-Way Radio Headset**  
[5] Applicant/ Manufacturer: **Peltor AB**  
[6] Address: **Box 2341  
Malmstengatan 19  
SE-331 02 Värnamo  
SWEDEN**

[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. 89632

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

**CENELEC EN 60079-0 :2004  
CENELEC EN 60079-11 :2007**

[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:



**II 1 G**

**Ex ia IIC T4 Ta=60°C**

Oslo, 2007-11-16



**Rolf Hoel**  
Certification Manager, Ex-products

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## [13] Schedule

### [14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 07ATEX1188

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

The "LiteComPro" Headset consists of a headband/neckband/hard-hat mount, two plastic ear cups, speakers, two ambient microphones, one boom microphone or throat microphone, switches and four circuit boards. The following versions are available:

Boom Microphone Type	Version		
	Headband	Neckband	Hardhat
Electret	MT53H7F470-50	MT53H7B470-50	MT53H7P3E470-50
Dynamic	MT7H7F470-50	MT7H7B470-50	MT7H7P3E470-50

All versions are electrically identical. The only difference is the mounting of the ear cups. The headsets are powered by two user-replaceable "Duracell" No. MN1500, "Duracell Procell" No. PC1500, "Energizer" No. E91 or "Energizer Industrial" No. EN91 "AA" alkaline batteries. Alternatively, a Peltor ACK05 Rechargeable NiMh Battery pack may be used.

#### Type designation

This certificate covers the following models:

LiteComPro Models MT53H7F470-50, MT53H7B470-50, MT53H7P3E470-50, MT7H7F470-50, MT7H7B470-50 and MT7H7P3E470-50 with ACK05 NiMh battery pack.

#### Technical Data

$U_i=3.5V$ ,  $I_i=100mA$ ,  $P_i=350mW$ ,  $C_i=0F$ ,  $L_i=0H$

$U_o=3.5V$ ,  $I_o=18.6mA$ ,  $P_o=16.3mW$ ,  $C_o=100\mu F$ ,  $L_o=2.84mH$

#### [16] Report No. 89632

##### Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
PowerCom plus II User Manual – ATEX	FP3605	V.1	-	13
Headset Labels – ATEX (Main Label)	P070155	A.1	2007-05-04	1
Headset Labels – ATEX (Additional Warnings)	P070201	A	2007-05-04	1
Overall Bill of Material (Headband Electret Mic Version) – ATEX	MT53H7F470-50	-	2007-05-22	1
Overall Assembly Details (Headband Electret Mic Version) – ATEX	P060339	B	2007-05-08	1
Overall Bill of Material (Neckband Electret Mic Version) – ATEX	MT53H7B470-50	-	2007-05-22	1
Overall Assembly Details (Neckband Electret Mic Version) – ATEX	P060358	B	2007-05-07	1
Overall Bill of Material (Hardhat Electret Mic Version) – ATEX	MT53H7P3E470-50	-	2007-05-22	1
Overall Assembly Details (Hardhat Electret Mic Version) – ATEX	P060346	B	2006-10-27	1
Overall Bill of Material (Headband Dynamic Mic Version) – ATEX	MT7H7F470-50	-	2007-05-22	1
Overall Assembly Details (Headband Dynamic Mic Version) – ATEX	P070199	A	2007-05-03	1
Overall Bill of Material (Neckband Dynamic Mic Version) – ATEX	MT7H7B470-50	-	2007-05-22	1

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Overall Assembly Details (Neckband Dynamic Mic Version) – ATEX	P070198	A	2007-05-03	1
Overall Bill of Material (Hardhat Dynamic Mic Version) – ATEX	MT7H7P3E470-50	-	2007-05-22	1
Overall Assembly Details (Hardhat Dynamic Mic Version) – ATEX	P070200	A	2007-05-03	1
K224A Circuit Board Assembly Details	P060450	B	2007-05-04	1
K225A Circuit Board Assembly Details	P060391	A	2006-10-16	1
K236A Circuit Board Assembly Details	P060451	A	2007-01-24	1
K237A Circuit Board Assembly Details	P060314	A	2007-01-24	1
Overall Schematic	P060508	B	2007-05-03	1
K224A Circuit Board Information File	K224A_INFO_FILE	A	2007-04-11	6
K224A Schematic	K224A_SCHEMATIC	A	2007-04-11	2
K224A Component/Trace Layouts	K224A_PCB_EDF	A	2007-04-11	7
K224A Bill of Material	K224A_BOM	A	2007-03-23	4
K225A Circuit Board Information File	K225A_INFO_FILE	A	2007-04-12	5
K225A Schematic	K225A_SCHEMATIC	A	2007-04-12	9
K225A Component/Trace Layouts	K225A_PCB_EDF	A	2007-04-12	11
K225A Bill of Material	K225A_BOM	A	2007-04-12	12
K236A Circuit Board Information File	K236A_INFO_FILE	A	2007-04-12	4
K236A Schematic	K236A_SCHEMATIC	A	2007-04-12	2
K236A Component/Trace Layouts	K236A_PCB_EDF	A	2007-04-12	5
K236A Bill of Material	K236A_BOM	A	2007-04-12	2
K237A Circuit Board Information File	K237A_INFO_FILE	A	2007-04-12	1
K237A Schematic	K237A_SCHEMATIC	A	2007-04-12	2
K237A Component/Trace Layouts	K237A_PCB_EDF	A	2007-04-12	3
K237A Bill of Material	K237A_BOM	A	2007-04-12	2
ACK05 Battery Pack Overall Assembly and Label – CSA/FM/ATEX	P060371	C	2007-09-26	1
ACK05 Battery Pack Circuit Board Information File	DEACK05_INFO_FILE	C	2007-10-19	1
ACK05 Battery Pack Circuit Board Schematic	DEACK05_SCHEMATIC_b	B	2007-05-30	2
ACK05 Battery Pack Circuit Board Component/Trace Layouts	DEACK05_PCB_EDF	C	2007-10-19	3
ACK05 Battery Pack Circuit Board Bill of Material	DEACK05_BOM_a	A	2007-04-12	2
FR05 Battery Charger Overall Assy Details and Label – ATEX	P070099	A	2007-03-28	1
FR05 Battery Charger Fuse Assembly Details - ATEX	P070208	A	2007-05-30	4

**[17] Special Conditions for Safe Use**

None

**[18] Essential Health and Safety Requirements**

See item 9

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