

[1]

EC-TYPE EXAMINATION CERTIFICATE



[2]

**Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

[3]

EC-Type Examination Certificate Number: **DEMKO 03 ATEX 136181**

[4]

Equipment or Protective System: **Hand Held Transceiver HT900 Series**

[5]

Manufacturer: **ENTEL UK Ltd**

[6]

Address: **12 Elstree Way, Borehamwood, Hertfordshire, WD6 1JL, United Kingdom**

[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. 136181

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 E incl. A1+A2 **EN 50020: 2002 E**

[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 the certificate.

[12]

The marking of the equipment or protective system shall include the following:

II 2 G EEx ib IIC T3

On behalf of UL International Demko A/S

Herlev, 2004-10-28

Karina Christiansen
Certification Manager

UL International Demko A/S

Lyskaer 8, P.O. Box 514
OK-2730, Herlev, Denmark
Telephone: +45 44856565
Fax: +45 44866500

Certificate: 03 ATEX 136181

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Schedule

[13]

[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 03 ATEX 136181

[15] Description of Equipment or protective system

The Type HT900 Series Transceiver are hand held battery powered portable two-way radios. All models have a plastic enclosure containing a printed circuit board, a keypad, switches and a liquid crystal display. The transmit/receive antenna is mounted externally by a screw connection. The battery supply is contained in a separate pack designated CNB940E which is attached to the main enclosure by plastic clips and secured by a locking screw. The battery supply comprises two rechargeable lithium ion cells connected in series. The battery pack may be removed in the hazardous area. The battery pack must be recharged in a non-hazardous area. External connections are provided for an earphone and a microphone. Only the specified types of earphone and microphone are permitted for use in hazardous areas.

The HT900 series consists of the following type designations:

HT940
HT920
HT980

The following accessories are permitted:

CMP940 microphone
EA19/940 earpiece microphone
EA15/940 ear/microphone
CHP900D ear defender
CHP900HD ear defender
CHP900HS ear defender
EPT40/940 earpiece
CXR5/940 skull microphone
CXR16/940 throat microphone

Temperature range

The ambient temperature range is -20°C to +40°C.

Electrical data

Battery powered equipment

The marking of the product include the following warning:
"DO NOT CHARGE IN A HAZARDOUS AREA"

Installation instructions

Please refer to "OWNERS MANUAL" prepared by the manufacturer.

[16] Report No.

Report no. 136181-01 (Hazardous Location Testing)

UL International Demko A/S

Lyskaer 8, P.O. Box 514
DK-2730, Herlev, Denmark
Telephone: +45 44856565
Fax: +45 44856500

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Report: 136181-01

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