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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 10 ATEX 0911055X Rev. 1**

[4]

Equipment or Protective System: **Mobile Phones, Pegasus 7010ex and 7110ex**

[5]

Manufacturer: **BARTEC GmbH**

[6]

Address: **Max-Eyth-Strasse 16, 97980 Bad Mergentheim, Germany**

[7]

This equipment or protective system and any acceptable variation thereto are 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. **10NK05759**

[9]

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

EN 60079-0:2009

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 the certificate.

[12]

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

 **II 2 G Ex ib IIB T4**

 **II 2 G Ex ib IIC T4**

Certification Manager

Jan-Erik Storgaard

Notified Body

Date of issue: 2010-04-09

Re-issued: 2011-07-14

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730
Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com
www.ul-europe.com



the standard in safety

Underwriters
Laboratories

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[14]

Schedule
EC-TYPE EXAMINATION CERTIFICATE No.
DEMKO 10 ATEX 0911055X Rev. 1
Report: 10NK05759

[15]

Description of Equipment or protective system

The Pegasus 7*10ex, Type No. 17-C11*.****/****, is a hand-held intrinsically safe cellular telephone. Power is provided by a self-contained, rechargeable lithium-polymer battery cell.

Nomenclature for type

Type 17-C11*.****/**** ; "Pegasus 7*10ex"

Type 17-C11*.****/**** ; "Pegasus 7*10ex" (Certification)
 0 – Zone 1, Group IIB
 1 – Zone 1, Group IIC

Type 17-C11*.****/**** (Tracking)
 0 – None
 1 – With Tracking Function

Type 17-C11*.****/**** (GSM Carriers)
 Q – Quad Band GSM / GPRS

Type 17-C11*.****/**** (Functions)
 0 or 1 – Functions not affecting construction

Type 17-C11*.****/**** (Battery Carrier)
 1 – 2850 mAh, 3.7 V

Type 17-C11*.****/**** (Options)
 0 – None

Type 17-C11*.****/**** (Customer variants)
 A-Z/0-9 – Customer Variants not affecting construction

Accessories

The device may be used with the following accessories, which are included as part of this certification:

- Type 17-C1Z0-0004 Holster
- Type 17-C1Z0-0007 SD Card
- Type 17-C1Z0-0008 SD Card

Temperature range

The ambient temperature range is -20 °C to +60 °C.

Electrical data

The device must be used with the appropriate Bartec battery assembly, rated 3.7V nominal, 4.3V peak, 2850mAh:

- Type 17-C1Z0-0001 for the Type No. 17-C110-****/**** (Group IIB) Mobile Phone
- Type 17-C1Z0-0010 for the Type No. 17-C111-****/**** (Group IIC) Mobile Phone

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Report No.

Project Report No.: 10NK05759 (Hazardous Location Testing)

Documents:

Description:	Drawing No.:	Rev. Level:	Date:
List of Schedule Drawings, Type No. 17-C110-****/**** (Group IIB)	11-C110-6499	-	2010-03-31
List of Schedule Drawings, Type No. 17-C111-****/**** (Group IIC)	11-C111-6499	-	2011-07-06

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Special conditions for safe use:

- Connection to the charging/communication port for charging and/or data transfer can only be made outside of a hazardous location. The maximum safe area voltage for this port, Um, is 15V.
- The battery assembly is only to be replaced by a trained technician outside of a hazardous location. Only Bartec Type No. 17-C1Z0-0001 may be used in the Type No. 17-C110-****/**** (Group IIB) and only Bartec Type No. 17-C1Z0-0010 may be used in the Type No. 17-C111-****/**** (Group IIC).
- Only Bartec Type No. 17-C1Z0-0007 or 17-C1Z0-0008 SD cards may be used in the device

[18]

Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Annex III of ATEX directive only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

Additional Information

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.



EC-TYPE EXAMINATION CERTIFICATE



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[2]

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

[3]

EC-Type Examination Certificate Number: **DEMKO 10 ATEX 0911055X Rev. 2**

[4]

Equipment or Protective System: **Mobile Phones, Pegasus 7010ex and 7110ex**

[5]

Manufacturer: **BARTEC GmbH**

[6]

Address: **Max-Eyth-Strasse 16, 97980 Bad Mergentheim, Germany**

[7]

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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. **11NK12944**

[9]

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

EN 60079-0:2009

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]

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These are not covered by the certificate.

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 **II 2 G Ex ib IIB T4**

 **II 2 G Ex ib IIC T4**

Certification Manager

Jan-Erik Storgaard

Date of issue: 2010-04-09

Re-issued: 2012-02-17

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com

www.ul-europe.com



[13]

Schedule

[14]

EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO 10 ATEX 0911055X Rev. 2

Report: 11NK12944

[15]

Description of Equipment or protective system

The Pegasus 7*10ex, Type No. 17-C11*-****/****, is a hand-held intrinsically safe cellular telephone. Power is provided by a self-contained, rechargeable lithium-polymer battery cell.

Nomenclature for type

Type 17-C11*-****/**** ; "Pegasus 7*10ex"

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0 – Zone 1, Group IIB
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Type 17-C11*-****/**** (Functions)
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- Type 17-C1Z0-0001 for the Type No. 17-C110-****/**** (Group IIB) Mobile Phone
- Type 17-C1Z0-0010 for the Type No. 17-C111-****/**** (Group IIC) Mobile Phone

[16]

Report No.

Project Report No.: 11NK12944 (Hazardous Location Testing)

Documents:

Description:

List of Schedule Drawings, Type No. 17-C110-****/**** (Group IIB)
List of Schedule Drawings, Type No. 17-C111-****/**** (Group IIC)

Drawing No.:

11-C110-6499
11-C111-6499

Rev. Level:

-
-

Date:

2012-02-06
2012-01-18

[17]

Special conditions for safe use:

- Connection to the charging/communication port for charging and/or data transfer can only be made outside of a hazardous location. The maximum safe area voltage for this port, Um, is 15V.
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