

[1]

TYPE EXAMINATION CERTIFICATE



[2]

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

[3]

Type Examination Certificate Number: DEMKO 10 ATEX 147282X

[4]

Equipment: Mobile Phone, Pegasus 7020ex

[5]

Manufacturer: BARTEC GmbH.

[6]

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

[7]

This equipment 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 certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report no. 09NK11055

[9]

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards:

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 Type examination certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

[12]

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

II 3 G Ex ic IIB T4 Gc

Certification Manager
Jan-Erik Storgaard

Certification Body

This certificate may only be reproduced in its entirety and without any change, schedule included

Date of issue: 2010-04-09

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

[13]

[14]

Schedule
TYPE EXAMINATION CERTIFICATE No.
DEMKO 10 ATEX 147282X
 Report: 09NK11055

[15]

Description of Equipment:

The Pegasus 7020ex, Type No. B7-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 B7-C11*-****/*****

Type B7-C11*_****/***** (Certification)
0 – Zone 2

Type B7-C11*_****/***** (Tracking)
0 – None
1 – With Tracking Function

Type B7-C11*_****/***** (GSM Carriers)
Q – Quad Band GSM / GPRS

Type B7-C11*_****/***** (Functions)
0 or 1 – Functions not affecting construction

Type B7-C11*_****/***** (Battery Carrier)
1 – 2650 mAh, 3.7 V

Type B7-C11*_****/***** (Options)
0 – None

Type B7-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 Bartec Type No. 17-C1Z0-0001 battery assembly, rated 3.7V nominal, 4.3V peak, 2650mAh.

[16]

Descriptive Documents

Project Report No.: 09NK11055 (Hazardous Location Testing)

Drawings:

Description:	Drawing No.:	Rev. Level:	Date:
List of Schedule Drawings, Pegasus Series	11-C110-6499	-	2010-03-31

[13]

[14]

Schedule
TYPE EXAMINATION CERTIFICATE No.
DEMKO 10 ATEX 147282X
Report: 09NK11055

[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, U_m , 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.
- 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

Met by compliance with the standards EN 60079-0:2009 and EN 60079-11:2007.

Certification Manager
Jan-Erik Storgaard



Certification Body

This certificate may only be reproduced in its entirety and without any change, schedule included

Date of issue: 2010-04-09

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Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com
www.ul-europe.com

[1]

TYPE EXAMINATION CERTIFICATE



[2]

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

[3]

Type Examination Certificate Number: **DEMKO 10 ATEX 147282X Rev. 1**

[4]

Equipment: **Mobile Phone, Pegasus 7020ex and 7120ex**

[5]

Manufacturer: **BARTEC GmbH**

[6]

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

[7]

This equipment 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 certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report no. **10NK05759**

[9]

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards:

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 Type examination certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

[12]

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

 II 3 G **Ex ic IIB T4**

 II 3 G **Ex ic IIC T4**

Certification Manager
Jan-Erik Storgaard

Certification Body

This certificate may only be reproduced in its entirety and without any change, schedule included

Date of issue: 2010-04-09

Re-issued: 2011-07-25

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



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[13]
[14]

Schedule
TYPE EXAMINATION CERTIFICATE No.
DEMKO 10 ATEX 147282X Rev. 1
Report: 10NK05759

[15] Description of Equipment:
The Pegasus 7*20ex, Type No. B7-C21*-****/*****, is a hand-held intrinsically safe cellular telephone. Power is provided by a self-contained, rechargeable lithium-polymer battery cell.

Nomenclature for type

Type B7-C21*-****/*****; "Pegasus 7*20ex"

Type B7-C21*-****/*****; "Pegasus 7*20ex"	(Certification)
0 – Zone 2, Group IIB	
1 – Zone 2, Group IIC	
Type B7-C21*-****/*****	(Tracking)
0 – None	
1 – With Tracking Function	
Type B7-C21*-****/*****	(GSM Carriers)
Q – Quad Band GSM / GPRS	
Type B7-C21*-****/*****	(Functions)
0 or 1 – Functions not affecting construction	
Type B7-C21*-****/*****	(Battery Carrier)
1 – 2650 mAh, 3.7 V	
Type B7-C21*-****/*****	(Options)
0 – None	
Type B7-C21*-****/*****	(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, 2650mAh.

- Type 17-C1Z0-0001 for the Type No. B7-C210-****/***** (Group IIB) Mobile Phone
- Type 17-C1Z0-0010 for the Type No. B7-C211-****/***** (Group IIC) Mobile Phone

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

Documents:

Description:	Drawing No.:	Rev. Level:	Date:
List of Schedule Drawings, Type No. B7-C210-****/***** (Group IIB)	11-C110-6499	-	2010-03-31
List of Schedule Drawings, Type No. B7-C211-****/***** (Group IIC)	11-C111-6499	-	2011-07-06

[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.
- 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. B7-C210-****/***** (Group IIB) and only Bartec Type No. 17-C1Z0-0010 may be used in the Type No. B7-C211-****/***** (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.



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TYPE EXAMINATION CERTIFICATE



[1]

[2]

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

[3]

Type Examination Certificate Number: **DEMKO 10 ATEX 147282X Rev. 2**

[4]

Equipment: **Mobile Phone, Pegasus 7020ex and 7120ex**

[5]

Manufacturer: **BARTEC GmbH**

[6]

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

[7]

This equipment 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 certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of **Category 3** equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report no. **11NK12947**

[9]

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards:

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 Type examination certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

[12]

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

 **II 3 G Ex ic IIB T4**

 **II 3 G Ex ic IIC T4**

Certification Manager

Jan-Erik Storgaard

This certificate may only be reproduced in its entirety and without any change, schedule included

Date of issue: 2010-04-09

Re-issued: 2012-02-17

Certification Body

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

www.ul-europe.com



[13]

Schedule

TYPE EXAMINATION CERTIFICATE No.

DEMKO 10 ATEX 147282X Rev. 2

Report: 11NK12947

[14]

[15]

Description of Equipment:

The Pegasus 7*20ex, Type No. B7-C21*-****/****, is a hand-held intrinsically safe cellular telephone. Power is provided by a self-contained, rechargeable lithium-polymer battery cell.

Nomenclature for type

Type B7-C21*-****/***** ; "Pegasus 7*20ex"

Type B7-C21*-****/***** ; "Pegasus 7*20ex" (Certification)
0 – Zone 2, Group IIB
1 – Zone 2, Group IIC

Type B7-C21*-****/***** (Tracking)
0 – None
1 – With Tracking Function

Type B7-C21*-****/***** (GSM Carriers)
Q – Quad Band GSM / GPRS

Type B7-C21*-****/***** (Functions)
0 or 1 – Functions not affecting construction

Type B7-C21*-****/***** (Battery Carrier)
1 – 2650 mAh, 3.7 V

Type B7-C21*-****/***** (Options)
0 – None

Type B7-C21*-****/***** (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, 2650mAh.

Type 17-C1Z0-0001 for the Type No. B7-C210-****/**** (Group IIB) Mobile Phone

Type 17-C1Z0-0010 for the Type No. B7-C211-****/**** (Group IIC) Mobile Phone

[16]

Report No.

Project Report No.: 11NK12947 (Hazardous Location Testing)

Documents:

Description:	Drawing No.:	Rev. Level:	Date:
List of Schedule Drawings, Type No. B7-C210-****/**** (Group IIB)	11-C110-6499	-	2012-02-06
List of Schedule Drawings, Type No. B7-C211-****/**** (Group IIC)	11-C111-6499	-	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.
- 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. B7-C210-****/**** (Group IIB) and only Bartec Type No. 17-C1Z0-0010 may be used in the Type No. B7-C211-****/**** (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.

