



Translation

**EC-Type Examination Certificate**

(1)

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(2)

**- Directive 94/9/EC -  
Equipment and protective systems intended for use  
in potentially explosive atmospheres**

(3)

**BVS 08 ATEX E 106**

(4)

**Equipment: Radiotelephone type MTP850 Ex – 3D**

(5)

**Manufacturer: Motorola GmbH**

(6)

**Address: 13507 Berlin**

(7)

The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8)

The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment 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 the test and assessment report BVS PP 08.2132 EG.

(9)

The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2006 General requirements

EN 60079-11:2007 Intrinsic safety "i"

EN 61241-0:2006 General requirements

EN 62241-11:2006 Intrinsic safety "iD"

(10)

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.

(11)

This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.

Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate

(12)

The marking of the equipment shall include the following:



**II 2G Ex ib IIC T4  
II 3D Ex ibD 22 IP5x T90°C**

**DEKRA EXAM GmbH**

Bochum, dated 13. October 2008

Signed: Dr. Jockers

Signed: Dr. Eickhoff

\_\_\_\_\_  
Certification body

\_\_\_\_\_  
Special services unit

(13) Appendix to

(14) **EC-Type Examination Certificate**

**BVS 08 ATEX E 106**

(15) 15.1 Subject and type

Radiotelephone type MTP850 Ex - 3D

name	type description	model number
MTP850 Ex – 3D	PT911BHEX	H01PCF6TZ5AN

15.2 Description

The radiotelephone type MTP850 Ex - 3D is a handheld radiotelephone and it serves for communication in the UHF band.

The following antennas can be connected to the radio:

85007012001	Stubby (Short) 380 – 430 MHz
85875526V14	Stubby (Medium) 380 – 430 MHz
85007013001	Whip (Long) 380 – 430 MHz

For the supply of the radio the battery type NNTN7383A (BVS 08 ATEX E 097) is used.  
The battery will be charged only outside the potentially explosive atmospheres.

The radios may be used with one of the following leather carry cases / carrying devices:

PMLN5287A	Hard Leather Carry Case
PMLN5288A	Soft Leather Carry Case
PMLN5004A	Shoulder Wearing Device
PMLN5134A	Belt Clip (2.5 inch)
NTN5243A	Shoulder Strap

The following accessories

PMMN4058A	Remote Speaker Microphone	(BVS 08 ATEX E 107)
PMLN5389A	Over the Head Heavy-duty Headset	(BVS 07ATEX E 160)
PMLN5390A	Behind the Head Heavy-duty Headset	(BVS 07ATEX E 160)
PMLN5391A	Over the Head Lightweight Headset	(BVS 07ATEX E 160)
PMLN5392A	Behind the Head Lightweight Headset	(BVS 07ATEX E 160)
PMMN4063A	Skull Microphone with 80 mm PTT Button	(BVS 07ATEX E 160)
PMMN4064A	Throat Microphone with 80 mm PTT Button	(BVS 07ATEX E 160)

can be connected to the radios.

The listed accessory will be connected only outside the potentially explosive atmospheres.

The permitted ambient temperature range for the radio, the battery and the accessories is  $-20\text{ °C} \leq T_a \leq +50\text{ °C}$ .

15.3 Parameters

## 15.3.1 Electrical data

frequency range: 380 – 430 MHz

output power

under normal condition: 1 W

under fault condition (ib) : &lt; 2 W

15.3.2 Ambient temperature range  $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ (16) Test and assessment report

BVS PP 08.2132 EG as of 13.10.08

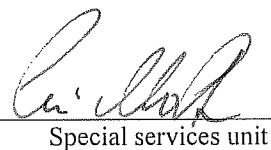
(17) Special conditions for safe use

none

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 13. October 2008  
BVS - Ha / Her A 20080557

**DEKRA EXAM GmbH**  
\_\_\_\_\_  
Certification body  
\_\_\_\_\_  
Special services unit