



(1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

PTB 10 ATEX 2009 X

(4) Equipment: Explosion protected mobile phone type Ex-Handy 06

(5) Manufacturer: ecom instruments GmbH

(6) Address: Industriestraße 2, 97959 Assamstadt, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC 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 confidential assessment and test report PTB Ex 10-29405.

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

EN 60079-0:2006, EN 60079-11:2007, EN 61241-0:2006, EN 61241-11:2006

(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 schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the 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 resp. II 2D Ex ibD 21 T130°C

Zertifizierungssektor Explosionsschutz
By order:

Braunschweig, May 4, 2010

Dr.-Ing. U. Johannsmeyer
Direktor und Professor



(13)

SCHEDULE

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 10 ATEX 2009 X**

(15) Description of equipment

The explosion protected mobile phone type Ex-Handy 06 is used for GSM communication in hazardous areas zones 1 and 21.

The permissible ambient temperature range is -20°C to $+50^{\circ}\text{C}$.

Electrical Data

Supply circuit from the associated rechargeable battery Li-Ion 3.7V, 1280 mAh type Ex-AMH 06 of the company ecom instruments GmbH, Industriestrasse 2, 97959 Assamstadt, Germany

Interface USB interface $U_m = 6\text{ V}$
To charge the battery with the associated charger and for data synchronization (see safety instructions).

The explosion protected mobile phone type Ex-Handy 06 shall be charged outside the hazardous area with the charger fixed in the safety instructions. Only use the rechargeable battery of the type "Ex-AMH 06" (see also safety instructions and warning label).

(16) Assessment and test report PTB Ex10-29405

(17) Special conditions for safe use

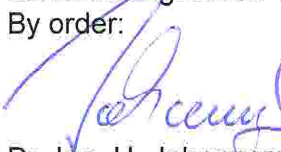
1. The explosion protected mobile phones type Ex Handy 06 shall be operated only in such a way that they are protected against excessive impact in the hazardous area.
2. The mobile phones shall be operated in the explosion hazardous area only with the appropriate interface cover in place.

(18) Essential health and safety requirements

met by compliance with the standards mentioned above

Zertifizierungssektor Explosionsschutz

By order:


Dr.-Ing. U. Johannsmeyer
Direktor und Professor



Braunschweig, May 4, 2010