



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx PTB 08.0033X issue No.: 0 Certificate history:

Status: Current

Date of Issue: 2008-08-08 Page 1 of 3

Applicant: **ecom instruments GmbH**
Industriestraße 2
97959 Assamstadt
Germany

Electrical Apparatus: **explosion protected DECT telephone 300 Ex DECT Handset**
Optional accessory:

Type of Protection: **General Requirements, Intrinsic Safety**

Marking: **Ex ia IIC T4**

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. Ulrich Johannsmeyer

Position: Department Head "Intrinsic Safety and Safety of Systems"

Signature:
(for printed version) 

Date: 2008-08-15

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





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Manufacturer: **ecom instruments GmbH**
Industriestraße 2
97959 Assamstadt
Germany

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

DE/PTB/ExTR08.0040/00

Quality Assessment Report:

DE/PTB/QAR07.0004/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The explosion protected DECT telephones type 300 Ex DECT handset are used in the explosion hazardous area.

The allowed ambient temperature range is -10°C to 45°C.

Electric data

Supply	lithium ion battery, $U_n = 3.7 \text{ V}$, 800 mAh
(internal battery)	(modified manufacturer's battery type AM 300-Ex)
radiated transmitting RF power	250 mW

The battery must be charged resp. changed outside the explosion hazardous area only (warning label).

CONDITIONS OF CERTIFICATION: YES as shown below:

The explosion protected telephone DECT type 300 Ex DECT Handset shall be used in the explosion hazardous area only with the accompanying leather case.