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 EPS 11.0005X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2011-10-24**	Page 1 of 3

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

Electrical Apparatus: **Mobile Phone, Ex-Handy 07**
Optional accessory:

Type of Protection: **Intrinsic safety 'ib'**

Marking: **Ex ib IIC T4 Gb IP54**
Ex ib IIIB T130°C Db IP5X
IECEx EPS 11.0005X

Approved for issue on behalf of the IECEx Certification Body:

Position:

Signature:
(for printed version)

Date: 2011-10-24

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:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany

BUREAU VERITAS

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Date of Issue: **2011-10-24** Issue No.: **0**

Manufacturer: **ecom instruments GmbH**
Industriestrasse 2
D-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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2011-06 Edition: 6.0	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/EPS/ExTR11.0007/00

Quality Assessment Report:

DE/PTB/QAR07.0004/01

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The explosion protected mobile phone of type Ex-Handy 07 is a communication device via quad-band intended for use in hazardous areas of zones 1, 2, 21 and 22 (non-conductive dusts). It provides additional features such as camera, GPS, acceleration sensor, Bluetooth, vibra motor, headphone connector and flashlight. Two different integrated antennas can be used for different frequencies.
The permissible ambient temperature range is -20°C to +55°C.
The mobile phone can be used with two different battery packs (standard or high capacity) containing one secondary Li-Ion cell each. The battery packs use the same kind of current and power limiting safety circuit. Charging is done without disconnecting the battery pack from the mobile phone via a stereo jack. The battery pack may only be charged outside explosive atmospheres.
Battery pack Ex-BPH 07 SC (standard capacity) with battery type Lishen LP653450RS, 1280 mAh,
Battery pack Ex-BPH 07 HC (high capacity) with battery type Molicel ICP103450CA, 2000 mAh,
Uo = 3,7 V d.c. (Uomax = 4,2 V), Io = 1,15 A, Po = 4,83 W (for both battery packs)

CONDITIONS OF CERTIFICATION: YES as shown below:

The battery pack may only be charged outside explosive atmospheres via charging circuit SBH 07.
The mobile phone needs to be protected from impacts with high impact energy.
The permissible ambient temperature range is -20°C to +55°C.