



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 15.0031X

Issue No: 0

Certificate history:

Issue No. 0 (2015-05-28)

Status: Current

Page 1 of 3

Date of Issue: 2015-05-28

Applicant: ecom instruments GmbH
Industriestr. 2
97959 Assamstadt
Germany

Electrical Apparatus: Smartphone Ex-Handy 209 and Smart-Ex 201

Optional accessory: Belt clip BC S201 & BC H209

Type of Protection: ic

Marking:

Ex-Handy 209
Smart-Ex 201

-20 °C to +55 °C

Ex ic IIC T4 Gc IP64
Ex ic IIIB 135 °C Dc IP64

Warning: Do not charge the battery in hazardous locations!

Approved for issue on behalf of the IECEx
Certification Body:

Dieter Zitzmann

Position:

Certification Manager

Signature:
(for printed version)

Date:



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](http://www.iecex.com).

Certificate issued by:

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





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Page 2 of 3

Manufacturer: ecom instruments GmbH
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97959 Assamstadt
Germany

Additional 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:6.0

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/ExTR15.0035/00](#)

Quality Assessment Report:

[DE/PTB/QAR07.0004/02](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Device	Index	Short name	Description
Ex-Handy 209	-E	H209-E	European Frequencies
Ex-Handy 209	-A	H209-A	US Frequencies
Smart-Ex 201	-E	S201-E	European Frequencies
Smart-Ex 201	-A	S201-A	US Frequencies

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature range: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$.

Resistance to impact was tested corresponding to the low risk of mechanical danger. The device has to be protected against strong impacts.

The equipment shall be protected against excessive UV light emission and high electrostatic charge generating processes.

The safety instructions must be observed.