



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

Certificate No.: IECEx EPS 16.0072X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2018-10-15)

Issue No. 1 (2017-06-22)

Date of Issue: **2018-10-15**

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Issue No. 0 (2017-01-13)

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

Equipment: **Intrinsically Safe Tablet PC type Pad-Ex 01 \***

Optional accessory:

Type of Protection: **intrinsic safety**

Marking:

Ex ic IIC T4 Gc IP64

Ex ic IIIB T135°C Dc IP64

Approved for issue on behalf of the IECEx  
Certification Body:

Holger Schaffer

Position:

Manager Certification

Signature:  
(for printed version)

Date:

2018-10-15



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

Certificate issued by:

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





# IECEX Certificate of Conformity

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Manufacturer: **ecom instruments GmbH**  
Industriestrasse 2  
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 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 : 2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0  
**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/ExTR16.0071/01](#) [DE/EPS/ExTR16.0071/02](#)

### Quality Assessment Report:

[DE/PTB/QAR07.0004/05](#)



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## Schedule

### EQUIPMENT:

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

The Pad-Ex 01 \* is an intrinsically safe rugged tablet PC for use in explosive hazardous areas of zone 2 and zone 22.

#### Description \*:

Z2 The device carries ATEX/IECEX marking

HR Z2 The device carries ATEX/IECEX marking and is equipped with Full HD display

DZ2 The device carries ATEX/IECEX and NEC/CEC marking

HR DZ2 The device carries ATEX/IECEX and NEC/CEC marking and is equipped with Full HD display

The device can be equipped with different modules (4G LTE/WWAN, M.2 SSD, RAM, Scanner).

The device may only be used with accessories X-Strap, Shoulder-Strap, Hand-Strap or Leathercase, approved by ecom instruments GmbH.

#### Electrical data:

Battery powered, lithium ion battery pack 4100/3950 mAh and 7800 mAh

Type 1: R11AH 4100 mAh 11.1 V

Type 2: R11AH2 7800 mAh 11.1 V

Type 3: R11AH 3950 mAh 11.1 V

#### Ambient temperature range:

$-10\text{ °C} \leq T_a \leq +55\text{ °C}$

### SPECIFIC CONDITIONS OF USE: YES as shown below:

The battery pack shall be removed, changed or charged only outside hazardous areas.

The impact test according to IEC 60079-0 was performed with reduced height. The equipment shall be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge generating processes. External connections shall never be used in hazardous areas. The interface cover shall be closed in hazardous areas. Only use a damp cloth to clean the device.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Display change and additional battery pack added.