



**BUREAU
VERITAS**



(1) **Certificate of Conformity**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 2014/34/EU**

(3) **Certificate Number:**

EPS 16 ATEX 1 163 X

Revision 2

(4) **Equipment:** Intrinsically Safe Tablet PC type Pad-Ex 01 *

(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 of Conformity and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment 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 of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 16TH0302.

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

EN 60079-0:2012 + A11:2013

EN 60079-11:2012

(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 Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 3G Ex ic IIC T4 Gc IP64



II 3D Ex ic IIIB T135°C Dc IP64



Certification department of explosion protection

Nuremberg, 2018-10-15

H. Schaffer



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(13)

Annexe

(14) **Certificate of Conformity EPS 16 ATEX 1 163 X**

Revision 2

(15) Description of equipment:

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 °C ≤ Ta ≤ +55 °C

(16) Reference number: 16TH0302

(17) Schedule of Limitations:

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.

(18) Essential health and safety requirements:

Met by standards.

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