



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 17.0035X

Issue No: 0

Certificate history:

Issue No. 0 (2018-02-09)

Status: **Current**

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Date of Issue: **2018-02-09**

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

Equipment: **Handheld Computer type CT50 -Ex**

Optional accessory:

Type of Protection: **intrinsic safety "I"**

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:

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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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 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/ExTR17.0034/00](#)

Quality Assessment Report:

[DE/PTB/QAR07.0004/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The CT50 -Ex is an intrinsically safe handheld computer for use in explosive hazardous areas of zone 2 and zone 22.

Electrical data:

Lithium-Ion battery: 3.6V, 4040 mAh
Type: AM CT50 -Ex

Accessory:

Scan Handle CT50-ND
Hand Strap

Ambient temperature range:

$-20\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

Do not charge the device inside hazardous locations.
Do not replace/remove the battery pack inside hazardous locations.
The battery pack may only be charged outside hazardous locations.
The device may only be used with the battery pack type AM CT50 -Ex from ecom instruments GmbH.
The device has to be protected against impacts with high impact energy.
The device has to be protected against high electrostatic charge generating processes.
Do not take spare battery packs into hazardous locations.
The device may only be used with accessories approved by ecom instruments GmbH.
Observe the safety instructions.