



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.: issue No.: Certificate history:

Status:

Date of Issue: **2013-05-21** Page 1 of 3

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

Electrical Apparatus: **Infrared Thermometer FLUKE 568 EX**
Optional accessory:

Type of Protection: **ia**

Marking: **Ex ia IIC T4 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

Dieter Zitzmann

Position:

Head of 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
D-97959 Assamstadt
Germany
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/ExTR13.0006/00](#)

Quality Assessment Report:
[DE/PTB/QAR07.0004/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Infrared and Contact Thermometer is a handheld device supplied by two primary batteries. In the noncontact case the thermometer determines an object's surface temperature by measuring the amount of infrared energy radiated by the measured object's surface. The thermometer also supports contact-temperature measurement via a K-type thermocouple. It is allowed to measure contactless into zone 0. It is not allowed to bring the device itself into zone 0. The IR-thermometer uses a laser diode to determine the measurement point or area. The measured temperature is indicated on a display and stored in an internal memory. The stored data can be reread on the display.

Equipment:

- Hard Case of type 568 EX
- Probe of type 80PK-1

CONDITIONS OF CERTIFICATION: YES as shown below:

It is allowed to measure contactless into zone 0. It is not allowed to bring the device itself into zone 0. The IR-Thermometer shall only be used with the leather wrapper (LH568) around the hand grip. Ambient temperature range $0^{\circ}\text{C} < T_{\text{amb}} < 50^{\circ}\text{C}$.