



**BUREAU
VERITAS**



(1) **EC-Type Examination Certificate**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC**

(3) EC Type Examination Certificate Number

EPS 13 ATEX 1 525 X

Revision: 0

(4) **Equipment:** Infrared Thermometer FLUKE 568 EX

(5) **Manufacturer:** ecom instruments GmbH

(6) **Address:** Industriestrasse 2, 97959 Assamstadt

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies 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. The examination and test results are recorded in the confidential report 12TH0401.

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

EN 60079-0:2012

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 EC-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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



II 2G Ex ia IIC T4 Gb

Certification department of explosion protection

D. Zitzmann

Türkheim, May 21, 2013



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(13)

Annexe

(14) **EC-Type Examination Certificate EPS 13 ATEX 1 525 X**

(15) Description of equipment:

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 type 568 EX
- Probe of type 80PK-1

Electrical data:

Supply: Two specially certified Alkaline-Manganese Dioxide Batteries Type AAA (LR03) in series (see safety instructions)

Nominal voltage each. 1,5 V

Laserdiode Optical power < 12 mW



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(16) Test report: 12TH0401

(17) Special conditions for safe use:

Permitted ambient temperature: $0\text{ }^{\circ}\text{C} < T_a < + 50\text{ }^{\circ}\text{C}$

It is allowed to measure contactless into zone 0.

The IR-thermometer shall only be used with the leather wrapper (LH568) around the hand grip.

(18) Essential health and safety requirements:

Met by standards.



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