



Product Service

(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:

TPS 13 ATEX 38892 003 X



(4) Equipment: Humidity and Temperature Transmitter Type: EE300Ex

(5) Manufacturer: E+E Elektronik Ges.m.b.H.

(6) Address: Langwiesen 7, 4209 Engerwitzdorf, Austria

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

(8) TÜV SÜD Product Service GmbH, notified body No. 0123 in accordance with Article 9 of the Council Directive 94/9/EC of March 23<sup>rd</sup> 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 71386133

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

EN 1127-1:2011

EN 60079-11:2007

EN 60079-0:2009

EN 61241-11:2006

(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:

Equipment: II 1G Ex ia IIC T4 Ga II 1D Ex ia IIIC T 70°C Da IP65

Equipment with Display: II 2 G Ex ia IIC T4 Gb II 1G Ex ia IIB T4 Ga

Sensor: II 1G Ex ia IIC T6 Ga II 1D Ex ia IIIC T 70°C Da IP65

Certification body

Stuttgart, 05.03.2013

Andres Pfeil

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EC Type Examination Certificate without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH. In case of dispute, the German text shall prevail.

(Document no.: TPS 13 ATEX 38892 003 X)

The document is internally administrated under the following number: EX5 13 02 38892 003

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ CERTIFICADO ◆ CERTIFICAT



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(13)

## Schedule

(14) **EC Type Examination Certificate TPS 13 ATEX 38892 003 X**(15) Description of equipment:

The humidity and temperature transmitter EE300Ex is dedicated for use in industrial applications. The transmitter is available as a fixed install or with remote sensing probe. The EE300Ex transmitter is to be powered by an intrinsically safe power source.

Technical and electrical data:

Transmitter EE300Ex	Kenndaten
Input voltage (Ui)	28 V
Input power (Pi)	700 mW
Input current (Ii)	100 mA
Input capacitance (Ci)	2,2 nF
Input inductance (Li)	negligible small
protection category of equipment	IP65
Temperature range electronics	$-40 \leq T_{amb} \leq +60^{\circ}\text{C}$
Temperature range for humidity and temperature probe	$-40 \leq T_{amb} \leq +180^{\circ}\text{C}$
Temperature range for temperature probe	$-70 \leq T_{amb} \leq +200^{\circ}\text{C}$

(16) Test report: 71386133(17) Special conditions for safe use:

The EE300Ex transmitter with display may not be used in areas with explosive dust (IIIA, IIIB, IIIC).

The EE300Ex transmitter may only be operated with safety barriers.

In case of using both measurement channels, each channel must be driven separately via their own galvanic safety barriers.

For the use of the EE300Ex transmitter with remote probe in explosive area zone 0 the probe cable must be installed in a metallic, grounded protective tube.

The plastic filter-cap may not be used in explosive area zone 0 with chemicals of the explosion group IIC.

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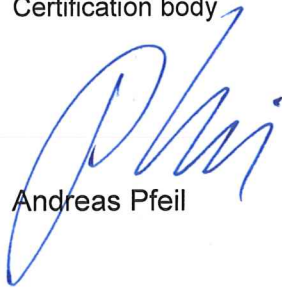
Product Service

The EE300Ex transmitter with the connector option may not be used in areas with explosive dust (IIIA, IIIB, IIIC) and in explosive area zone 0 with chemicals of the explosion group IIC.

(18) Essential health and safety requirements:

met by standards

Certification body

  
Andreas Pfeil

Stuttgart, 05.03.2013



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