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Product Service

1. Supplement to the EC Type Examination Certificate

(1) EC Type Examination Certificate Number:

TPS 13 ATEX 38892 003 X

(2)	Equipment:	Humidity and Temperature Transmitter Type: EE300Ex
(3)	Manufacturer:	E+E Elektronik Ges.m.b.H.
(4)	Address:	Langwiesen 7, 4209 Engerwitzdorf, Austria
(5)	Description:	The humidity and temperature transmitter EE300Ex is dedicated for use in industrial applications. The transmitter is available with fix installed or with remote sensing probe. The humidity and temperature transmitter must be powered by an intrinsically safe power source, which shall be compatible with EE300Ex according to the entity concept. EE300Ex configuration and adjustment can be done using the E+E Product Configuration Adapter HA011061
(6)	Supplement:	Standard update to EN 60079-11:2012; Specification of temperature working range for the combined humidity and temperature probe and for the temperature probe.
	Test 1:	Total immersion in dust according to EN 60079-11:2012 paragraph 5.6.5
	Test 2:	Requirements for the E+E Product Configuration Adapter type HA011061 according to EN 60079-11:2012
	Test 3:	Approval of the silicone foam gasket for the enclosure
(7)	Test results:	The examination and test results are recorded in the confidential reports 713031470, 713030081 and 713038637.

(8) The compliance with the Essential Health and Safety Requirements is fulfilled according to:

EN 1127-1:2011 **EN 60079-11:2012**

EN 60079-0:2012

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Working temperature range for the probes:

Specification of the temperature class „TKG“ for use in gas area exposed to explosion hazards and “TKD” for use in dust area exposed to explosion hazards as a function of the ambient temperature “Tamb” for the humidity and temperature probe and the temperature probe:

TKG	TKD	Humidity and Temperature Probe	TKG	TKD	Temperature Probe
T6	80°C	-40°C ≤ Tamb ≤ +60°C	T6	80°C	-70°C ≤ Tamb ≤ +60
T5	95°C	-40°C ≤ Tamb ≤ +75°C	T5	95°C	-70°C ≤ Tamb ≤ +75°C
T4	130°C	-40°C ≤ Tamb ≤ +110°C	T4	130°C	-70°C ≤ Tamb ≤ +110°C
T3	195°C	-40°C ≤ Tamb ≤ +175°C	T3	195°C	-70°C ≤ Tamb ≤ +175°C
T2	200°C	-40°C ≤ Tamb ≤ +180°C	T2	220°C	-70°C ≤ Tamb ≤ +200°C
T1	200°C	-40°C ≤ Tamb ≤ +180°C	T1	220°C	-70°C ≤ Tamb ≤ +200°C

(9) The mark of the equipment shall include the following:

Equipment: Ex II 1G Ex ia IIC T4 Ga Ex II 1D Ex ia IIIC T 80°C Da

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

Sensor: Ex II 1G Ex ia IIC T6-T1 Ga Ex II 1D Ex ia IIIC T 80°C...220°C Da

(10) Additional special conditions for safe use:
The EE300Ex transmitter with display may not be used in areas with explosive dust (IIIA, IIIB, IIIC) and in gas explosive area zone 0 with group IIC.

To prevent electrostatic charges the remote probe body must be earthed with maximum 1MΩ.

If EE300Ex is located outside the explosive area, following parameters apply:
For connection at plug X47, pin 2,3,4 against pin 1:
maximum voltage: Um = ± 28 V
maximum current: Im = ± 100 mA
or alternatively
connection via E+E Product Configuration Adapter HA011061.

(Certification Body for Explosion Protection)

Filderstadt, 28.04.2014

Michael Reuschel

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