

IECEx Certificate of Conformity

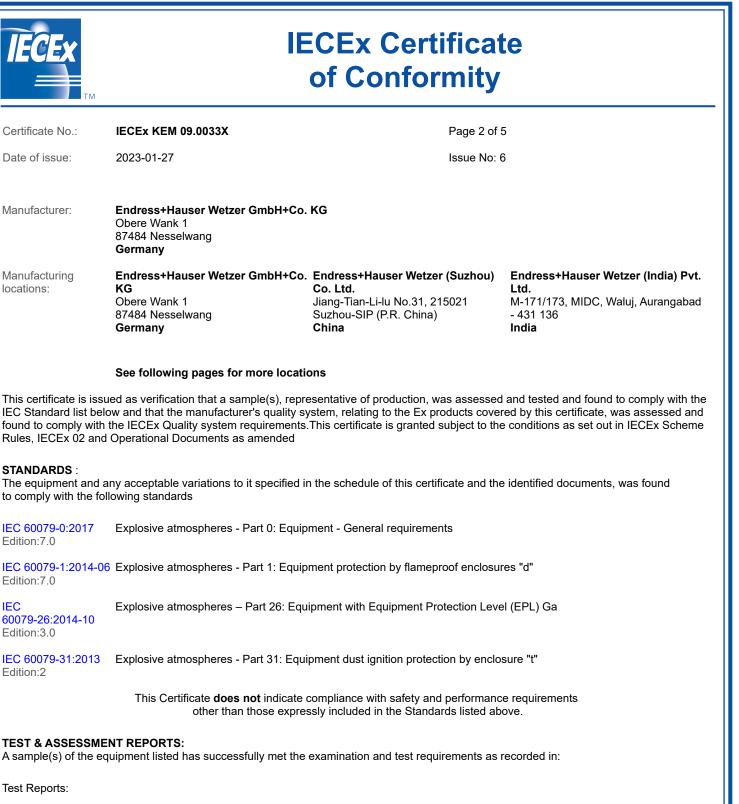
INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No .:	IECEX KEM 09.0033X	Page 1 of 5	<u>Certificate history:</u> Issue 5 (2021-07-16) Issue 4 (2020-07-03) Issue 3 (2015-10-20) Issue 2 (2012-02-13)	
Status:	Current	Issue No: 6		
Date of Issue:	2023-01-27			
Applicant:	Endress+Hauser Wetzer GmbH+Co. KG Obere Wank 1 87484 Nesselwang Germany		Issue 1 (2010-03-12) Issue 0 (2009-07-20)	
Equipment:	Temperature Assemblies Omnigrad S, Type T	[x61, Tx62, Tx63, Tx65 and Tx66		
Optional accessory:				
Type of Protection:	Ex d and Ex t			
Marking:	Ex db IIC T6T1 Gb Ex db IIC T6T1 Ga/Gb Ex tb IIIC T85 °CT450 °C Db Ex ta/tb IIIC T85 °CT450 °C Da/Db For details see Annex 1 to NL/KEM/ExTR09.007	11/05.		
Certification Body: Position: Signature: (for printed version)	n behalf of the IECEx	L.G. van Schie Certification Manager		
Date: (for printed version)		2023-01-27		
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Certificate issued by:				
DEKRA Certification B.V. Meander 1051				

6825 MJ Arnhem **Netherlands**



NL/DEK/ExTR18.0041/02 NL/KEM/ExTR08.0041/04 NL/DEK/ExTR18.0043/00 NL/KEM/ExTR09.0011/05 NL/DEK/ExTR18.0044/00

Quality Assessment Report:

DE/TUN/QAR06.0009/11



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Temperature Assemblies Omnigrad S, Types Tx61, Tx62, Tx63, Tx65 and Tx66 consist of a connection head and a sensing part.

The connection head, Type TA30H certified per IECEx KEM 08.0042U is provided with either a blind or windowed cover and may be provided with terminals or a transmitter.

The sensing part consists of a sensor insert and is optionally provided with process fitting parts such as a stainless steel Cortem RBFF1NS connection fitting certified per IECEx CES 10.0002U and a thermowell.

The sensor insert is a thermocouple or RTD enclosed by a mineral (MgO) insulated metal sheathed cable, in various diameters and length, provided with flying leads.

At Temperature Assemblies Omnigrad S, Types Tx61-N, Tx61-M, Tx63-N, Tx63-M, Tx66-N and Tx66-M the thermowell provides the separation between the areas requiring EPL Gb and Db (ambient) and EPL Ga and Da (process).

For details about type designation, thermal data, electrical data and marking see Annex 1 to NL/KEM/ExTR09.0011/05.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The flameproof joints are not intended to be repaired.

The temperature sensors with diameters smaller than 6 mm shall be mechanically protected by a thermowell.

It shall be verified, taking into account the worst case process and ambient temperatures, that the temperature of the:

- enclosure at the process connection point does not exceed the ambient temperature range of the assembly;

- optionally used RBFF1NS union does not exceed the service temperature range as listed in Annex 1 to NL/KEM/ExTR09.0011/05.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Adding of new transmitter type TMT86 and TMT31
Change of mechanical construction of the sensor



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Additional manufacturing locations:

Endress + Hauser Sicestherm S.r.l. Via Martin Luther King, 7/9 I-20060 Pessano con Bornago (MI) Italy Endress+Hauser Wetzer USA INC 2375 Endress Place Greenwood IN 46143 United States of America

Annex:

227002600-ExTR09.0011.05-Annex1.pdf