2nd Supplement to the **EC-Type Examination Certificate**

- Equipment and protective systems intended for use (2)in potentially explosive atmospheres - Directive 94/9/EC Supplement accordant with Annex III number 6
- **DMT 01 ATEX E 151** No. of EC-Type Examination Certificate: (3)
- Concentration-/Density-Transmitter type DT 301*-***-*** (4)Equipment:
- smar Equipamentos Industriais Ltda. Manufacturer: (5)
- Av. Dr. Antonio Furlan Jr., 1028, 14170 -480 Sertaozinno SP. Brazil Address: (6)
- The design and construction of this equipment and any acceptable variation in the specific (7)the appendix to this supplement.
- The certification body of DEKRA EXAM GmbH notified 5503 no 70158 in accordance with Article 9 the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, Sertifies 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 to the Directive True examination and test results are recorded in the Test and Assessment Report BVS PP 01/21/29/EG (8)
- The Essential Health and Safety Requirements are assured by compliance with (9)

EN 60079-0:2012 +/A11;2013/General requirements

Intrinsic/satety '''' Equipment with equipment protection level (EPU) Ga EN 60079-11:2012 EN 60079-26:2007

- (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 appendix to this certificate
- (11) This supplement to the EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall/include the following:

II 1/2G Ex la IIC T4/T5/T6/Ga/Gb IM1 Exial Ma

DEKRA EXAM GmbH Bochum, dated 2015-04-10

Signed: Dr. Eickhoff

Signed: Dr. Wittler

Certification body

Special services unit

- (13) Appendix to
- 2nd Supplement to the EC-Type Examination Certificate (14)**DMT 01 ATEX E 151**
- (15) 15.1 Subject and type

Concentration-/Density-Transmitter type DT 301*-***-***/** Type code not changed

15.2 Description

The status of applied standards in the certificate has been subjected to update as listed in

Previous electronic assemblies of the pressure transmitter may be replaced optionally by subjected to minor change and in addition, may be enhanced with a new variant of main sensor board.

Safety-relevant constructive details and parameters remain unchanged

15.3 Parameters

Supply- and signal-circuit intended for connection to an intrinsically safe 4 to 25 mil rurrent cop 15.3.1 Voltage Current Effective internal capacitance Effective internal inductance

Maximum permissible power for certified intrinsically safe supply 15.3.2. function of ambient temperature

max. ambient	//temperature/class////	//power//////
temperature///	/X/////////////////////////////////////	////7//////////////////////////////////
//\tau_ //85/^C/////	//////////////////////////////////////	/ / /øø/ ///// /
//85/74//// ///////////////////////////////	////t/and Group X/////	//7610/10144/
///AA/C/////	//\///////////////////////////////////	///60/m/W////// ///66/#6/N//////
////50/°C/////	//////////////////////////////////////	/650 mVV
	//////////////////////////////////////	//\$7/\$/m\V\///
65/9¢/////	// <i>\\///////</i> \$5////// <i>\\///</i>	//500 mW///// //25/-500
	// // / / / / / / / / / / / / / / / /	//425 myy //575 mW ////
40°C////	//N///// //6 ///////////////////////////	<i>/////////////////////////////////////</i>

15.3.3.

Test and Assessment Report (16)

BVS PP 01.2129 EG as of 2015-04-10

Special conditions for safe use

None

We confirm the correctness of the translation from the German original. In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH 44809 Bochum, 2015-04-10 BVS-Scha/Mu A 20121108

Special services unit