



1st Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate DMT 02 ATEX E 084

Equipment: Fieldbus-Pressure Gage Transmitter Type LD 292/293 ** * * * _ * * _ * * *
Manufacturer: smar Equipamentos Industriais Ltda.
Address: BR 14170-480 Sertaozinho-SP (Brazil)

Description

The Fieldbus-Pressure Gage Transmitter can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2006 General requirements
EN 60079-11:2007 Intrinsic safety 'i'
EN 60079-26:2004 Equipment Group II Category 1G
EN 60079-27:2008 FISCO Model
EN 50303:2000 Equipment Group I Category M1

The marking of the modified equipment shall include the following:

II 1/2G Ex ia IIC T6
I M1 Ex ia I

Parameters

1. Supply circuit for the connection to an intrinsically safe FISCO fieldbus-circuit

Voltage	U_i	DC	24	V
Current	I_i		380	mA
Power	P_i		5.32	W
Effective internal capacitance	C_i	\leq	5	nF
Effective internal inductance	L_i		negligible	

Parameters of the supply circuit comply with FISCO model according to EN 60079-27:2008)

2. With regard to explosion protection requirements the Fieldbus-Pressure Gage Transmitter is suitable for operation in the following ambient temperature range:
 $-40\text{ °C} \leq T_a \leq +60\text{ °C}$

Special conditions for safe use

None

Test and assessment report
BVS PP 02.2044 EG as of 24.02.2009

DEKRA EXAM GmbH
Bochum, dated 24. February 2009

Signed: Simanski
Certification body

Signed: Dr. Wittler
Special services unit

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.

44809 Bochum, 24. February 2009
BVS-Scha/Sz A 20070802

DEKRA EXAM GmbH


Certification body


Special services unit