

Translation

EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **DMT 01 ATEX E 013**

Product: **Fieldbus / Pressure-Converter type FP302/FP303-* *-****

Manufacturer: **smar Equipamentos Industriais Ltda.**

Address: **Av. Dr. Antonio Furlan Jr. 1028, 14170-480 Sorocabinho-SP, Brasil**

This supplementary certificate extends EC-Type Examination Certificate No. DMT 01 ATEX E 013 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential Report No. PP 01.2008 EU.

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

EN 60079-0:2012 + A11:2013 General requirements
EN 60079-1:2007 Flameproof enclosure "d"
EN 60079-11:2012 Intrinsic Safety "i"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex d [Ia] IIC T6 Gb**

DEKRA EXAM GmbH
Bochum, 2016-10-20

Signed: Jörg Koch

Certifier

Signed: Dr. Michael Wittler

Approver

13 **Appendix**

14 **EU-Type Examination Certificate**

**DMT 01 ATEX E 013
Supplement 2**

15 **Product description**

15.1 **Subject and type**

Fieldbus / Pressure-Converter	type FP 302-**-**-**	
	type FP 303-**-**-**	
without LCD-display	= 0	
with LCD-display	= 1	
Mounting bracket for 2" pipe mounting	= 0	
without	= 0	
carbon steel	= 1	
316 SST	= 2	
Electrical connections		
(certified Ex d cable glands)		
1/2-14 NPT	= 0	
M20 x 1.5	= A	
Pg 13.5 DIN	= B	
Optional items (housing material)		

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU.
(Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

Reason for the supplement:

- Change to Directive 2014/34/EU
- New version of internal electronic assembly
- Update of applied standards

The Fieldbus / Pressure-Converter type FP 302-**-**-** / FP 303-**-**-** comprises the flameproof tubular light alloy or stainless steel enclosure - including built-in electronic assemblies - of Positioner type FP302/303 according to EC Type Examination Certificate No. NEMKO 00 ATEX 308 (issue 6).

The Fieldbus / Pressure Converter type FP 302-**-**-** / FP 303-**-**-** is designated for interconnection to an intrinsically safe fieldbus circuit.

The versions FP 302 **-**-** and FP 303 **-**-** are identical except for internal programming.

15.3 **Parameters**

15.3.1 Supply- and signal-circuit designated for the connection to an intrinsically safe fieldbus-circuit (FISCO-Model)

Voltage	U_i	DC	24	V
Current	I_i		380	mA
	I_n		15	mA
Power	P_i		5.32	W
effective internal capacitance	C_i	μ	5	nF
effective internal inductance	L_i			negligible

Parameters of the supply- and signal-circuit comply with FISCO model according to clause 9.2 EN 60079-11:2012 (replacing EN 60079-27:2008).

15.3.2 Ambient temperature range: $-20\text{ °C} \leq T_a \leq +60\text{ °C}$

16 **Report Number**

BVS PP 01.2008 EU, as of 2016-10-20

17 **Special Conditions for Use**

None

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

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
Bochum, dated 2016-10-20
BVS-Scha/Mu A 20160111



Certifier



Approver