

(1) 6. Supplement to the EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use
in potentially explosive atmospheres - Directive 94/9/EC
Supplement accordant with Annex III number 6
- (3) No. of EC-Type Examination Certificate: **BVS 03 ATEX E 406 X**
- (4) Equipment: **Gas measuring transmitter type P3S, P3U and P3FB**
(P3U/P3FB alternative with P3U Remote Adapter and P3U Remote Sensor)
- (5) Manufacturer: **Dräger Safety AG & Co. KGaA**
- (6) Address: **23560 Lübeck**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this supplement.
- (8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies 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. The examination and test results are recorded in the test and assessment report BVS PP 03.2298 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- | | |
|-------------------------|---|
| EN 60079-0:2009 | General requirements |
| EN 60079-11:2007 | Intrinsic safety 'i' |
| EN 60079-26:2007 | Equipment with equipment protection level (EPL) Ga |
| EN 60079-27:2008 | Fieldbus intrinsically safe concept (FISCO) |
- (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 1G Ex ia IIC T4 Ga
II 1G Ex ia IIC T6 Ga
II 3G Ex ic IIC T4 Gc
II 3G Ex ic IIC T6 Gc

DEKRA EXAM GmbH
Bochum, dated 01.06.2011

Certification body

Special services unit

- (13) Appendix to
- (14) **6. Supplement to the EC-Type Examination Certificate
BVS 03 ATEX E 406 X**
- (15) 15.1 Subject and type

Unchanged

15.2 Description

The gas measuring transmitter type P3S, P3U and P3FB can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

The gas measuring transmitter type P3S, P3U, P3FB (P3U/P3FB alternative with P3U Remote Adapter and P3U Remote Sensor) was tested according to the new standard versions of IEC 60079-* (see page 1). The marking was modified according to the new standard versions.

The internal electronics was slightly modified.

The gas measuring transmitter receives the following marking and ambient temperature range:

	II 1G Ex ia IIC T4 Ga	$(-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C})$
	II 1G Ex ia IIC T6 Ga	$(-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C})$
	II 3G Ex ic IIC T4 Gc	$(-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C})$
	II 3G Ex ic IIC T6 Gc	$(-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C})$

15.3 Parameters

15.3.1 Electrical parameters

Unchanged

15.3.2 Thermal parameters

Ambient temperature range depend on temperature class for all types:

$$-40^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C} \text{ (T4)}$$

$$-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C} \text{ (T6)}$$

(16) Test and assessment report

BVS PP 03.2298 EG as of 01.06.2011

(17) Special conditions for safe use

In applications, which require devices of the category 1G (Zone 0) resp. EPL Ga, intensive electrostatic charging processes have to be prevented.

The measurement function for explosion protection is not the subject of this Supplement to the EC-Type Examination Certificate.