



**T R A N S L A T I O N**



(1) **Statement of Conformity**

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 94/9/EC**

(3) EC Type Examination Certificate Number

**PTB 01 ATEX 2195 X**

(4) Equipment: Model 3766-8 Positioner

(5) Manufacturer: SAMSON AG

(6) Address: Weismüllerstr. 3, D-60314 Frankfurt, Germany

(7) This equipment and any acceptable variation therefore are specified in the schedule to this certificate and the documents referred to therein.

(8) The Physikalisch-Technische Bundesanstalt, notified body number 0102 in accordance with Article 9 of the Council Directive 94/9/EC 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 confidential report **PTB Ex 01-21199**.

(9) The Essential Health and Safety Requirements are satisfied by compliance with

**EN 50021: 1999**

(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 schedule to this certificate.

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This Statement of conformity may be reproduced only in its entirety and without any changes, schedule.  
Extracts or changes shall require the prior approval of the Physikalisch-Technische Bundesanstalt.

- (11) In compliance with the Directive 94/9/EC this Statement of Conformity relates only to the design and construction of the equipment specified. Further requirements of this Directive apply to manufacture and marketing of this equipment.
- (12) The marking of the equipment shall include the following:



Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig, 7. März 2002

(Signature)

(Seal)

Dr. Ing. U. Johannsmeyer  
Regierungsdirektor

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(14) **Statement of Conformity PTB 01 ATEX 2195 X**

(15) **Description of Equipment**

The Model 3766-8... Positioner is intended for attachment to pneumatic control valves and serves for converting control signals of 0.2 to 1bar from a control device into a pneumatic signal pressure of 6bar max. For pneumatic auxiliary power non-combustible media are used. The inductive limit switches, position indicators and solenoid valves are passive two networks.

The device is intended for use inside and outside of hazardous areas...

**Electrical data**

Versions:

- a.) With dual inductive limit switches:  
 Inductive limit switch (terminals 41/42, 51/52) Type of protection EEx nA II
- b.) With position indicator:  
 Signal circuit (terminals 31/32) Type of protection EEx nA II
- c.) With solenoid valve:  
 Signal circuit, nominal signal (terminals 81/82) Type of protection EEx nA II

The correlation between temperature classification and permissible ambient temperature range is shown in the table below:

Version U <sub>N</sub>		6V	12 V	24 V
<b>Temperature class</b>	<b>T6</b>	<b>60°C</b>		
	<b>T5</b>	<b>-45°C . . .70°C</b>		
	<b>T4</b>	<b>80°C</b>		

(16) Test report: **PTB Ex 01-21199**

**Schedule of the Statement of Conformity PTB 02 ATEX 2007 X**

(17) **Special conditions for safe use**

The Model 3766-8 . . . Positioner shall be installed in an enclosure providing at least Degree of Protection IP 54 in compliance with the IEC Publication 60529:1989.  
 This requirement applies also to the cable entries and/or plug connectors.

The wiring shall be connected in such a manner that the connection facilities are not subjected to insole and/or torsional stress.

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The signal current circuit (terminals 31/32) shall be provided with a series-connected fuse outside of the hazardous area. This fuse shall comply with IEC 127-2/II, 250V F, or with IEC 127-2/VI, 250V T, with a fuse nominal current  $I_N$  of  $\leq 50\text{mA}$  max.

(18) **Basic health and safety requirements**

Are satisfied by compliance with the standard specified.

Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig, 7. März 2002

(Signature)                      (seal)

Dr. Ing. U. Johannsmeyer

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