



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 2170 X

(4) Equipment: Model 3767-8 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 01-21201**.

(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.

(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.

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

(12) The marking of the equipment shall include the following:



Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 2002-03-07

(Signature)

(Seal)

Dr. Ing. U. Johannsmeyer
Regierungsdirektor

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

(13) **S c h e d u l e**

(14) **Statement of Conformity PTB 01 ATEX 2170 X**

(15) **Description of Equipment**

The Model 3767-8... Positioner is intended for attachment to pneumatic control valves and serves for converting control signals of (0)4 . . .20mA from a control devices 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...

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

Temperature class	Permissible ambient temperature range	Maximum short-circuit current
T6	60°C	85mA or
T5	-45°C ≤ Ta ≤ 70°C	100mA or
T4	80°C	120mA

Electrical data

Model 3767-8 . . .

Signal circuit (i/p-Converter)
(terminals 11/12)

Type of protection: EEx nA II

Inductive limit switch
(terminals 41/42 and 51/52)

Type of protection EEx nA II

Model 3767-86 with Position Indicator

Signal circuit
(terminals 31/32)

Type of protection EEx nA II

The correlation between version and temperature classification is shown in the table below:

Version UN	6V	12 V	24 V
Temperature class	T6	60°C	
	T5	-45°C ≤ Ta ≤ 70°C	
	T4	80°C	

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

(16) Test report: PTB Ex 01-21201

Schedule of the Statement of Conformity PTB 01 ATEX 2170 X

(17) Special conditions for safe use

The Model 3767-8 . . . 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 pull and twisting.

The signal circuit (terminals 11/12 i/p-converter) and the signal circuit (terminals 31/32 position indicator) 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, 07 März 2002

(Signature)

(seal)

Dr. Ing. U. Johannsmeyer