



## **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 02 ATEX 2013 X**

(4) Equipment: Model 6111-8.. i/p-Converter

(5) Manufacturer: SAMSON AG Mess- und Regeltechnik

(6) Address: Weismüllerstr. 3, 60314 Frankfurt am Main, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, notified body number 0102 according to Article 9 of the Council Directive 94/9/ 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 specified in Annex II to the Directive.

The examination and test results are recorded in confidential report.

### **PTB Ex 02-21420**

(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 as 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.

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



Zertifizierungsstelle Explosionsschutz  
By order

Braunschweig,.....

(Signature)

(Seal)

Dr. Ing. U. Johannsmeyer  
Regierungsdirketor

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

(14) **Statement of Conformity PTB 02 ATEX 2013 X**

(15) **Description of Equipment**

The Model 6111-8.. i/p-Converter is composed of an i/p module and a downstream pneumatic converter and serves to convert a load-independent current of 1 to 5mA or (0)4 to 20mA respectively into a standard pressure signal of 0.2 to 1bar or 0.4 to 2bar respectively.

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:

<b>Temperature class</b>	<b>Permissible ambient temperature range</b>
<b>T6</b>	<b>60°C</b>
<b>Temperatur class T5</b>	<b>-45°C . . .70°C</b>
<b>T4</b>	<b>80°C</b>

**Electrical data**

Signal circuit  
(terminals 11/12)

Type of protection: EEx nA II

(16) Test report: **PTB Ex 02-21420**

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

1. The Model 6111-8.. I/P-Converter shall be installed in an enclosure providing at least Degree of Protection IP 54 according to IEC Publication 60529:1989.

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

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

Are satisfied by compliance with the standard specified above.

Zertifizierungsstelle Explosionsschutz  
By order  
(Signature) (seal)  
Dr. Ing. U. Johannsmeyer  
Regierungsdirektor

Braunschweig,