



T R A N S L A T I O N

(1) **EX TYPE EXAMINATION CERTIFICATE**

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

(3) EC Type Examination Certificate Number

PTB 03 ATEX 1214

(4) Equipment: Model 6134-2... P/I-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.

(8) The Physikalisch-Technische Bundesanstalt, notified body number 0102 according to 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 specified in Annex II to the Directive.

The examination and test results are recorded in confidential report

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(9) The essential health and safety requirements are satisfied by compliance with

EN 50014:1997 + A1 + A2 EN 50018:2000 + A1

(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) This EC Type Examination Certificate relates only to the design and examination of the specified equipment in compliance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment. These requirements are not covered by this Certificate.



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



Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 06. November 2003

(Signature)

(Seal)

Dr.-Ing. H. Wehinger
Direktor und Professor

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

(14) **EC Type Examination Certificate No. PTB 03 ATEX 1214**

(15) **Description of Equipment**

The Model 6134-2.. P/I converter serves for converting a pneumatic standard signal into a pressure-proportional current signal of 4 to 20 mA in the output circuit. The converter consists of a capacitive ceramic pressure sensor with downstream transducer electronics for amplification and onversion into the 4 to 20 mA standard signal.

Technical data

Input pressure	max. 2 bar
Supply voltage	10 to 30 V DC
Signal circuit	4 to 20 mA

(16) Test report **PTB Ex 03-13388**

(17) **Special conditions**

None

Additional notes on safe operation

Connection requirements

1. The Model 6134-2.... P/I Converter shall be connected via cable entries or conduit systems suitable for the purpose and which satisfy at least the requirements of the standards specified on the first page and for which a separate certificate has been issued. It is mandatory that the conditions for use of the components specified in the applicable certificates are complied with.
2. Cable entries (M20 x 1,5 or NPT glands) and closing plugs of the simple type shall not be used. Where the Model 6134-2... P/I Converter is connected via a conduit entry approved for this purpose, the associated sealing device shall be applied directly on the enclosure.
3. Apertures not used shall be closed in compliance with EN 50018 Clause 11.9
4. The connecting lead of the Model 6134-2.... P/I Converter shall be installed rigidly and in such a way that it is adequately protected against damage.
5. If the temperature at the point of entry is higher than +70 °C, adequately temperature-resistant connecting leads shall be used.

Statements of Conformity without signature and seal are invalid.

This Statement of Conformity may be reproduced only in its entirety without any changes.

Extracts or changes shall require the prior approval of the Physikalisch-Technische Bundesanstalt.

The user shall be informed of these Notes in a suitable manner.

Ambient temperature

The range of use of the Model 6134-2.... P/I Converter extends in
temperature class T6 to ambient temperatures from -40 °C to $+60\text{ °C}$,
temperature class T5 to ambient temperatures form -40 °C to $+70\text{ °C}$,
temperatures class T4 to ambient temperatures form -40 °C to $+80\text{ °C}$.

Pneumatic working medium

the user of the apparatus shall ensure that the working medium cannot form an
explosive atmosphere, i. e. only gases may be used that are free from substances
the existence of which could lead to an explosive atmosphere (non-combustible
gases and no oxygen or gases enriched with oxygen).

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

Satisfied by compliance with the standards specified above.

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, 6 November 2003

(Signature) (seal)

Dr. Ing. H. Wehinger
Direktor und Professor