



Translation

(1) **EC TYPE-EXAMINATION CERTIFICATE**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**



(3) EC-Type Examination Certificate Number

**TÜV 03 ATEX 2127**

(4) Equipment: I/P transformer type Doc 901068  
(5) Manufacturer: PMV Palmstiernas Instruments AB  
(6) Address: Korta Gatan 9  
SE-17154 Solna

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system 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 confidential report N° 03YEX550567.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50 014:1997**

**EN 50 020:1994**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the 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 or protective system must include the following:

II 2 G EEx ia IIC T6

TÜV NORD CERT GmbH & Co. KG  
TÜV CERT-Certification Body  
Am TÜV 1  
D-30519 Hannover  
Tel.: 0511 986-4470  
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Head of the  
Certification Body



Hanover, 2003-03-21



(13)

## SCHEDULE

(14) **EC-TYPE EXAMINATION CERTIFICATE N° TÜV 03 ATEX 2127**

(15) Description of equipment

The I/P transformer type Doc 901068 is used for the transformation of an impressed direct current of the range of 0 ... 20 mA into a proportional pressure. The proportional pressure can be used for the control of pneumatically adjustable devices resp. mechanisms of every manner.

### Electrical data

Supply circuit  
(terminal +,-)

in type of protection "Intrinsic Safety" EEx ia IIC  
only for the connection to certified intrinsically safe  
circuits

The permissible ambient temperature range in dependence of the temperature class and of the input current has to be taken from the following table:

temperature class	input current	ambient temperature range
T6	50 mA	-55 °C to + 60 °C
T6	60 mA	-55 °C to + 55 °C
T5	60 mA	-55 °C to + 70 °C
T4	60 mA	-55 °C to + 85 °C
T5	100 mA	-55 °C to + 55 °C
T4	100 mA	-55 °C to + 85 °C
T5	120 mA	-55 °C to + 45 °C
T4	120 mA	-55 °C to + 80 °C
T4	150 mA	-55 °C to + 70 °C

The effective internal inductance and capacitance is negligibly small.

(16) Test documents are listed in the test report No.: 03YEX550567.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones