



## EC-Type Examination Certificate

(1)  
(2)

Equipment or Protective Systems Intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

**FTZÚ 05 ATEX 0301**

(4) Equipment or protective system: **Pressure Transmitter type APC-2000 EEx/XX PROFIBUS PA, and Differential Pressure Transmitters type APR-2000 EEx/XX PROFIBUS PA and APR-2200EEx/XX PROFIBUS PA**

(5) Manufacturer: **APLISENS Sp. z o.o.**

(6) Address: **ul. Morelowa 7, 03-192 Warszawa, Poland**

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

(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 confidential Report N°

**05/0301 dated 13.10.2005**


(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

**EN 50014 : 1997+A1+A2; EN 50020 : 2002; EN 50284 : 1999**

(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 testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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

 **II 1/2G EEx ia IIB T5**

This EC-Type Examination Certificate is valid till: **17. 10. 2010**

Responsible person:

Dipl. Ing. Šindler Jaroslav  
Head of certification body



Date of issue: 17.10.2005

Number of pages: 3

Page: 1/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This certificate may only be reproduced in its entirety and without any change, schedule included.





Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 05 ATEX 0301**

(15) Description of Equipment or Protective System:

The APC-2000 EEx/XX PROFIBUS PA Pressure Transmitters and the APR-2000 EEx/XX PROFIBUS PA, APR-2200EEx/XX PROFIBUS PA Differential Pressure Transmitters are designed to convert process pressure measurements into a digital PROFIBUS PA communication signal.

The transmitter comprises several printed circuit boards and an optional liquid crystal display all housed in a light alloy enclosure. When the optional display is included, the housing cover contains a glass window. External connections are made via an integral terminal block.

The transmitters are allowed to be installed into the partition between the hazardous areas of category 1G and category 2G.

Technical parameters:

Powered from an intrinsically safe FISCO Power Supply (Coupler) with rectangular or trapezoidal characteristic:  $U_i = 15 \text{ V}$ ;  $I_i = 380 \text{ mA}$ ;  $P_i = 5,32 \text{ W}$ ;  $L_i \leq 10 \mu\text{H}$ ;  $C_i \leq 5 \text{ nF}$

Ambient Temperature:  $T_a = -40^\circ\text{C}$  to  $+65^\circ\text{C}$

(16) Report No. : 05/0301

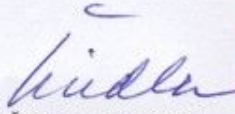
(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

Essential health and safety requirements of Directive 94/9/EC are covered by standards mentioned in (9), according which the product was verified and in manufacturer's instruction for use.

Responsible person:

Date of issue: 17.10.2005

  
Dipl. Ing. Šindler Jaroslav  
Head of certification body



Page: 2/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This certificate may only be reproduced in its entirety and without any change, schedule included.





Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 05 ATEX 0301**

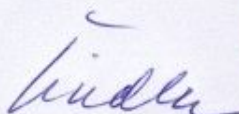
(19)

LIST OF DOCUMENTATION

<i>Documents:</i>	<i>Date of FTZÚ verification:</i>
1. User and installation manual DTR.APC.APR.PROFIBUS (25 pages)	13.10.2005
2. Drawings No.:	
APC2000-A400-00 (2 sheets)	13.10.2005
APC2000-A400-01 (2 sheets)	13.10.2005
APC2000-A400-02 (1 sheet)	13.10.2005
APC2000-C401-TA (2 sheets)	13.10.2005
APC2000-S401-01 (5 sheets)	13.10.2005
APC2000-B402-TA (2 sheets)	13.10.2005
APC2000-B403-TA (6 sheets)	13.10.2005
APC2000-B304-TA (3 sheets)	13.10.2005
APC2000-B305-TA (2 sheets)	13.10.2005
APC2000-B307-00 (1 sheet)	13.10.2005
APC2000-A401-TA (2 sheets)	13.10.2005
APR2000-A401-TA (2 sheets)	13.10.2005
APC2000-A403-TA (1 sheet)	13.10.2005
APR2000-A402-TA (1 sheet)	13.10.2005
ZA-032-TA (1 sheet)	13.10.2005
ZA-038-TA (1 sheet)	13.10.2005
ZA-033-02 (1 sheet)	13.10.2005
ZG-018-TA (2 sheets)	13.10.2005
ZG-019-TA (2 sheets)	13.10.2005
ZG-002-TA (1 sheet)	13.10.2005
ZG-006-TA (1 sheet)	13.10.2005
GC1-001-TA (3 sheets)	13.10.2005
GC3-001-TA (3 sheets)	13.10.2005
GC4-001-TA (2 sheets)	13.10.2005
GR40-001-TA (2 sheets)	13.10.2005
GR40-002-TA (1 sheet)	13.10.2005
GR40-003-TA (1 sheet)	13.10.2005
3. Analysis of EN requirements No. AN: APC-2000EEx/XX PROFIBUS PA.01(10 pages)	13.10.2005

Responsible person:

Date of issue: 17.10.2005

  
Dipl. Ing. Šindler Jaroslav  
Head of certification body



Page: 3/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This certificate may only be reproduced in its entirety and without any change, schedule included.