



CERTIFICATE



[1] **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

[2] Equipment, protective systems and components intended for use in potentially explosive atmospheres - Directive 94/9/EC

[3] Supplementary EC-Type Examination Certificate:

KDB 04ATEX010X /1

[4] Equipment and protective system:

**Pressure transmitters type PC-28, PC-28P and
Differential pressure transmitters type PR-28**

[5] Manufacturer:

**APLISENS-Manufacture Of Pressure Transmitters And
Control Instruments**

[6] Address:

ul. Morelowa 7, 03-192 Warszawa

[7] This supplementary certificate extends EC-Type Examination Certificate No. KDB 04ATEX010X /1 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This Supplementary Certificate shall be held with the original Certificate.

The examination and test results are recorded in confidential report number KDB No. 04.272 [T-5006]

[8] Marking:



**II 1/2G EEx ia IIC T4/T5/T6
I M1 EEx ia I**

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This certificate and its
schedules may only be
reproduced in its entirety
and without change

KIEROWNIK
ZESPOŁU CERTYFIKACJI WYROBÓW
KD „BARBARA” MIKOŁÓW

dr inż. Krzysztof Cybulski



GLÓWNY INSTYTUT GÓRNICTWA
KIEROWNIK
Jednostka Certyfikująca

dr inż. Dariusz Stefaniak

[9]

SCHEDULE

[10] **Supplementary EC-Type Examination Certificate KDB 04ATEX010X /1**

Description of the variation to the equipment or protective system:

- in the place R60 ÷ R64 resistors assembled on wires were introduced the MELF - type resistors (at the same parameters) assembled on electronics board.
 - the signature of the transmitters was specified introducing the following:
 - PC-28/XX/YY
 - PC-28P/XX/YY
 - PR-28/XX/YY where XX - the type of process connector
YY - the type of electric connector
- (by PC28- C001-TA)

- the electronics boards will be alternatively use in produced transmitters according to figures:

PC28-B032-00 (circuit diagram see PC28-S032-00)
PC28-B033-00 (circuit diagram see PC28-S033-00)

[11] Technical data:

- the permissible parameters were changed for power supply with a "trapezial" characteristic in the following means:
 - $U_i = 28V$
 - $I_i = 0,1A$
 - $P_i = 1,125W$ for $T_a \leq 60^\circ C$ and T_6 and $T_a \leq 80^\circ C$
and T_5
 - $P_i = 0,99W$ for $T_a = 70^\circ C$ and T_6
 - $P_i = 0,33W$ for $T_a = 80^\circ C$ and T_6

Marking:



II 1/2G EEx ia IIC T4/T5/T6
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[9]

SCHEDULE

[10]

Supplementary EC-Type Examination Certificate KDB 04ATEX010X /1

[12] **Report:**

Report no. KDB No. 04.272

[13] **Special condition for safe use:** -None-

See original certificate KDB 04ATEX010X /1.

[14] **Essential health and safety requirements:**

See original certificate KDB 04ATEX010X /1.

[15] **Descriptive documents:**

| | | |
|---------------------|---|---------|
| Figure PC28-A000-11 | Changes sheets for DT.PC-28Ex05 | 07.2004 |
| Figure PC28-A000-01 | Technical characteristics (sheet 1A, 2A) | 07.2004 |
| Figure PC28-C001-TA | Rating plate (sheet 1A, 2A) | 07.2004 |
| Figure PC28-S033-00 | PC-28- Circuit diagram | 07.2004 |
| Figure PC28-B033-00 | Electronics board (2 sheets) | 07.2004 |
| Figure PC28-A201-TA | Technological advices | 07.2004 |
| Figure PC28-A104-TA | PC-28, PC-28P - type pressure transmitter (sheet 1A, 2A, 3A) | 07.2004 |
| Figure PR28-A104-TA | PR-28-type differential pressure transmitter (sheet 1A, 2A, 3A) | 07.2004 |
| Figure A-203-00 | PG-2 - electronics board of sensor module | 05.2004 |

