



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx KDB 12.0010X Issue No: 0 Certificate history:
Issue No. 0 (2012-06-19)

Status: **Current** Page 1 of 3

Date of Issue: **2012-06-19**

Applicant: **APLISENS**
ul. Morelowa 7, 03-192 Warszawa
Poland

Electrical Apparatus: **SMART Pressure Transmitters type PC-28.SMART, PCE-28.SMART.
SMART Differential Pressure Transmitters type PR-28.SMART, PRE-
28.SMART. SMART Hydrostatic Level Probes type PC-28P.SMART,
PCE-28P.SMART**

Optional accessory:

Type of Protection: **intrinsic safe "i"**

Marking:
Ex ia I Ma
Ex ia IIC T4/T5/T6 Ga/Gb
Ex ia IIIC T105°C Da

Approved for issue on behalf of the IECEx
Certification Body:

dr inż. Michał Górny

Position:

Head of ExCB

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Główny Instytut Górnictwa, Kopalnia Doświadczalna „BARBARA”
(Central Mining Institute Experimental Mine "Barbara")
ul. Podleska 72
43-190 Mikołów
Poland





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Manufacturer: **APLISENS**
ul. Morelowa 7, 03-192 Warszawa
Poland

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
IEC 61241-11 : 2005 Edition:1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'iD'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[PL/KDB/ExTR12.0006/00](#)

Quality Assessment Report:

[PL/KDB/QAR12.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The electronic assembly of transmitters is encapsulated inside a stainless steel housing and is identical for all versions. The active sensing element is a silicon diaphragm with in-diffused piezoresistors located in sensing module. The electronic assembly amplifies and standardizes the output signal of measuring bridge.

Rated voltage: 10.5÷30VDC(24VDC nominal)

Output signal: 4÷20mA

Measurement range:

to 100MPa for PC-28.SMART, PCE-28.SMART;

to 7MPa for PR-28.SMART, PRE-28.SMART;

to 3000mmH₂O for PC-28P.SMART, PCE-28P.SMART

CONDITIONS OF CERTIFICATION: YES as shown below:

- version of transmitter with surge arrester, marked on the plate "Exi SA", does not meet the requirements of Section 10.3 of the IEC 60079-11(500Vrms). This must be taken into account when installing the equipment.