



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 14.0001X Issue No: 0 Certificate history:
Issue No. 0 (2014-08-14)

Status: **Current** Page 1 of 3

Date of Issue: **2014-08-14**

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

Electrical Apparatus: **Smart Pressure Transmitter type APC-2000ALW/XX, Smart Differential Pressure Transmitter type APR-2000ALW/XX and APR-2200ALW/XX, Smart Level Probe type APR-2000YALW/XX**

Optional accessory:

Type of Protection: **Flameproof enclosure "d", Dust protection by enclosure "t", Intrinsic safety "i"**

Marking:
- version with steel enclosure:
Ex d ia I Mb
Ex ia/d IIC T6/T5 Ga/Gb
Ex ia/t IIIC T85°C/T100°C Da/Db
- version with aluminium alloy enclosure:
Ex ia/d IIC T6/T5 Ga/Gb
Ex ia/t IIIC T85°C/T100°C Da/Db

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 S.A.**
ul. Morelowa 7, 03-192 Warszawa
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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 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
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 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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/ExTR14.0001/00](#)

Quality Assessment Report:

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

[PL/KDB/QAR12.0001/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Smart Pressure Transmitter type APC-2000ALW is designed to measure gauge pressure, vacuum pressure and absolute pressure of gases, vapours and liquids. The Smart Differential Pressure Transmitter type APR-2000ALW/XX and APR-2200ALW/XX is designed to measure differential pressure across constrictions. The Smart Level Probe type APR-2000YALW/XX is designed to measure liquid levels in closed tanks. The transmitter consists of a housing, measuring head with process connection, measuring sensor and electronic module converting the signal from measuring sensor into unified amplified output signal. The transmitter housing is a flameproof enclosure made of aluminium alloy with a baked epoxy paint finish or steel (316). The housing consists of a main enclosure, two electrical threaded entries and two screwed access covers (one of which is equipped with a glass window). Inside the enclosure there is electronics with galvanically separated intrinsically safe sensor circuit with a level of protection ia mounted.

Rated ambient temperature range:

-40°C < Ta ≤ 45°C (T6 and T85°C)

-40°C < Ta ≤ 75°C (T5 and T100°C)

CONDITIONS OF CERTIFICATION: YES as shown below:

- When replacing parts within the enclosure use only those specified in the descriptive documentation

- Some of the permitted gaps in flameproof joints are smaller than the one specified in IEC 60079-1:2006 (ed. 6) and shall not exceed the values specified in the manufacturer's instructions.