



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx FTZU 20.0007X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-03-31

Applicant: **Atest Gaz A. M. Pachole sp. j.**  
Spokojna 3  
Gliwice 44-109  
**Poland**

Equipment: **Gas Detector type PW-044**

Optional accessory:

Type of Protection: **flameproof enclosure "d", dust protection "t"**

Marking: Ex db IIC T6 Gb  
Ex tb IIIC T80°C Db  
or  
Ex db IIC T6...T5 Gb  
Ex tb IIIC T80°C...95°C Db  
or  
Ex db IIC T6...T4 Gb  
Ex tb IIIC T80°C...130°C Db  
or  
Ex db IIC T5...T4 Gb  
Ex tb IIIC T95°C...130°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

**Dipl. Ing. Lukáš Martinák**

Position:

**Head of the Certification Body**

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Fyzikálne technický zkušební ústav  
(Physical -Technical Testing Institute)  
Pikartská 7, 71607 Ostrava - Radvanice  
Czech Republic**





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Page 2 of 3

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Manufacturer: **Atest Gaz A. M. Pachole sp. j.**  
Spokojna 3  
Gliwice 44-109  
**Poland**

Additional  
manufacturing  
locations:

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with 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:

[CZ/FTZU/ExTR20.0007/00](#)

Quality Assessment Report:

[CZ/FTZU/QAR20.0001/00](#)



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Page 3 of 3

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Gas Detector type PW-044 is intended for a detection, measurement and monitoring of gases in the atmosphere.

The detector consists of instrument housing with electronic unit, three thread entries and flameproof housing with electronic unit and integrated sinter. These compartments are separated and connected by bushing. The instrument housing could optionally be equipped with sight glass for display. The separate compartments are connected each other by "M" thread. The cable entries shall be equipped by suitable Ex cable gland or Ex blanking element in Ex protection Ex db or Ex tb.

This certificate does not include the performance tests according to IEC 60079-29-1.

Used instrument housing Ex component certificates:

Limatherm XD-I, XD-Iwin - IECEx FTZU 12.0017U

Limatherm XD-SI, XD-SIwin - IECEx FTZU 10.0010U

Parameters:

Input:  $U_n = 9 - 60$  V DC,  $P_n = 0.1 - 19$  W

Maximal ambient temperature range:  $-40^{\circ}\text{C}$  to  $+117^{\circ}\text{C}$

Ambient temperature range depends to equipment configuration and temperature class and maximum surface temperature.

Degree of protection by enclosure: IP6x

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. In final installation the used Ex cable glands and Ex blanking elements have to satisfy type of Ex protection. See marking plate and minimum protection IP6X.
2. The equipment must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere
3. Ambient temperature range and temperature class and maximum surface temperature are given in the User manual.