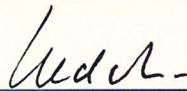




# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx IBE 16.0016	Issue No: 0	Certificate history: Issue No. 0 (2017-03-23)						
Status:	Current	Page 1 of 3							
Date of Issue:	2017-03-23								
Applicant:	ADZ NAGANO GmbH Bergener Ring 43 01458 Ottendorf-Okrilla Germany								
Equipment:	Pressure transmitter								
Optional accessory:	ADZ-SMX2 and ADZ-PSX2								
Type of Protection:	Intrinsic Safety								
Marking:	<table><tbody><tr><td>ADZ-SMX2 with flange plug</td><td>Ex Ia IIC T4 Ga</td></tr><tr><td>ADZ-SMX2 (other plugs)</td><td>Ex Ia IIB T4 Ga or Ex Ia IIC T4 Gb</td></tr><tr><td>ADZ-PSX2</td><td>Ex Ia IIB T4 Ga or Ex Ia IIC T4 Gb</td></tr></tbody></table>			ADZ-SMX2 with flange plug	Ex Ia IIC T4 Ga	ADZ-SMX2 (other plugs)	Ex Ia IIB T4 Ga or Ex Ia IIC T4 Gb	ADZ-PSX2	Ex Ia IIB T4 Ga or Ex Ia IIC T4 Gb
ADZ-SMX2 with flange plug	Ex Ia IIC T4 Ga								
ADZ-SMX2 (other plugs)	Ex Ia IIB T4 Ga or Ex Ia IIC T4 Gb								
ADZ-PSX2	Ex Ia IIB T4 Ga or Ex Ia IIC T4 Gb								
Approved for issue on behalf of the IECEx Certification Body:	Prof. Dr. Tammo Redeker								
Position:	Head of Certification Body								
Signature: (for printed version)									
Date:	2017-03-23								

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:



# IECEx Certificate of Conformity

Certificate No: IECEx IBE 16.0016

Date of Issue: 2017-03-23

Manufacturer: ADZ NAGANO GmbH  
Bergener Ring 43  
01458 Ottendorf-Okrilla  
Germany

Issue No: 0

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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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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:

DE/IBE/ExTR15.0034/00

Quality Assessment Report:

DE/IBE/QAR16.0003/00





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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The pressure transmitter ADZ-SMX2 and ADZ-PSX2 is a pressure transmitter consisting of a measuring cell and of several boards shared evaluation electronics in high-grade steel enclosure with process tap. The equipment can be used in all Ex-zones. It was supplied with an intrinsic safety power source.

### Types:

ADZ-SMX2 pressure transmitter in type of protection Intrinsic Safety with a current output 4...20 mA, pressure equalization through a membrane

ADZ-PSX2 pressure transmitter in type of protection Intrinsic Safety with a current output 4...20 mA, pressure equalization through the cable

### Technical data

Ambient temperature range: -40 °C to +85 °C (apart from zone 0)

Medium temperature range: -40 °C to +70 °C

### Electrical Data

Supply electric circuit : in type of protection Intrinsic Safety Ex ia IIC

(terminals: +U; -U)

$U_i$	27 V
$I_i$	125 mA
$P_i$	0.85 W
$C_i$	5 nF
$L_i$	negligible

SPECIFIC CONDITIONS OF USE: NO