



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

Certificate No.:	IECEx CSA 23.0031X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2023-08-11		
Applicant:	Shanghai LEEG Instruments Co., Ltd. No.99, Duhui Road, Minhang District Shanghai 201109 China		
Equipment:	DMP305X Series Pressure Transmitter		
Optional accessory:			
Type of Protection:	Flameproof and Dust Protection by Enclosure		
Marking:	Ex db IIC T6 Gb, Ex tb IIIC T80°C Db Ta = -20°C to +60°C		

Approved for issue on behalf of the IECEx
Certification Body:

Dave Magee

Position:

Senior Director of Operations, Toronto

Signature:
(for printed version)

Date:
(for printed version)

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 or use of this QR Code.



Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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Certificate No.: **IECEx CSA 23.0031X**

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Date of issue: 2023-08-11

Issue No: 0

Manufacturer: **Shanghai LEEG Instruments Co., Ltd.**
No.99, Duhui Road,
Minhang District
Shanghai 201109
China

Manufacturing
locations: **Shanghai LEEG Instruments Co.,
Ltd.**
No.99, Duhui Road,
Minhang District
Shanghai 201109
China

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](#) 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:

[CA/CSA/ExTR23.0027/00](#)

Quality Assessment Report:

[CN/NEP/QAR18.0004/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

DMP305X gauge/differential pressure transmitter adopts casting moulding aluminum alloy housing, the interior of the housing is a single chamber design. Between front cover, rear cover, explosion-proof plug, and housing, there are threaded flameproof joints. And it adopts O-ring and gasket sealing to approach IP66. The cement joint between display window and head cover applies sealing adhesive and fixed by a clamping ring. The adhesive length is greater than 10mm.

DMP305X gauge/differential pressure transmitter outputs a current signal suitable for the industry-standard by receiving the sensor's electrical signal and correction coefficient. The transmitter is designed to be flameproof and dustproof.

Refer to the Annexe for Model Designations

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Contact the original manufacturer for information on the dimensions of the flameproof joints.
2. Observe the warning "WARNING-IN EXPLOSION ATMOSPHERE, KEEP TIGHT WHEN CIRCUIT ALIVE!".
3. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
4. The product is intended to be connected with a process temperature of -20°C to 80°C.

Annex:

[IECEx CSA 23.0031X Annexe Issue 0.pdf](#)

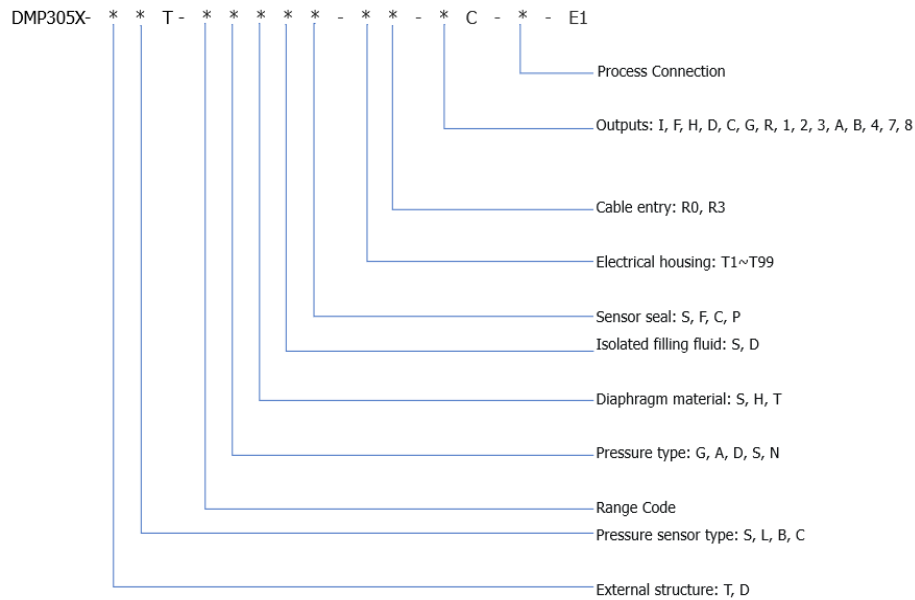
Annexe to: IECEx CSA 23.0031X Issue 0

Applicant: SP-MGTP Series Portable Multi-Gas Detectors.

Apparatus: SENKO Co., Ltd.



Model designations are as follows:



Note: The code of range code and process connection is not explosion-proof related. These codes can be customized.

Conditions of Manufacture

1. The Sensor head incorporates a welded design, the manufacturer shall verify the integrity of the welds by one of the following inspection methods:
 - radiographic weld inspection; or
 - ultrasonic weld inspection; or
 - magnetic particle weld inspection; or
 - liquid penetrant weld inspection.