



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 CQM 19.0007X** Page 1 of 4 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-12-27

Applicant: **Shenyang VibroTech Instruments INC**
Room 206, No.7Xinlong Street, HunNan New District, Shenyang City, Postal code:110179
China

Equipment: **Indicating Vibration Transmitter VT9299 Series**

Optional accessory:

Type of Protection: **Ex "i"**

Marking: **Ex ia IIC T4 Gb IP66**
Tamb: -40°C ~ +70°C

Approved for issue on behalf of the IECEX
Certification Body:

Ji Xiaodong

Position:

General Manager

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 or use of this QR Code.



Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District
Beijing City, Postal code: 100048
China





IECEX Certificate of Conformity

Certificate No.: **IECEX CQM 19.0007X**

Page 2 of 4

Date of issue: 2019-12-27

Issue No: 0

Manufacturer: **Shenyang VibroTech Instruments INC**
Room 206, No.7Xinlong Street, HunNan New District, Shenyang City, Postal code:110179
China

Additional manufacturing locations: **Shenyang VibroTech Instruments INC**
Gate 17, No. 23-2, Yunfeng North Street, Tiexi District, Shenyang, Liaoning Province
Postal code: 110021
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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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

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:

[CN/CQM/ExTR19.0008/00](#)

Quality Assessment Report:

[CN/CQM/QAR19.0001/00](#)



IECEx Certificate of Conformity

Certificate No.: **IECEX CQM 19.0007X**

Page 3 of 4

Date of issue: 2019-12-27

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

VT 9299X - AAA - BCD - EF - G

VT: Abbreviation of vibration 9299: Internal Serial Number X: Transmitter function type (B: 2-wire H:2-wire with Hart enabled) AAA: Measuring range B: Mounting stud thread

C: Explosion-proof Grade (4, IECEx, Ex ia IIC T4 Gb) D: Display /electrical interface (1, Double chamber , M20×1.5) E: High -pass filter F:Low-pass filter

G: Case material (0 Head: aluminum alloy Transmitter:304SS blank represents default 1 Head: aluminum alloy Transmitter: 316L)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The ambient temperature is in the range -40°C to +70°C.

2. The metal material of matching gland should not contain,by mass, more than 10% in total of aluminium, magnesium, titanium, zirconium and 7.5% in total of magnesium, titanium and zirconium.



IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 19.0007X**

Page 4 of 4

Date of issue: 2019-12-27

Issue No: 0

Equipment (continued):

General product information:

VT9299 Indicating vibration transmitter is a shell-mounting vibration transmitter with OLED display that combines digital circuit technique. It outputs a 4-20mA proportional vibration signal and can be connected directly to the PLC, DCS and any monitoring devices where the vibration alarming values can be set. VT9299 sensor consists of signal processing circuit and display circuit. The signal circuit has non-polarity protection part, TVS tube protection part and so on. The signal processing circuit PCBA is encapsulated.

The material of the transmitter shell is 304SS or 316L stainless steel, and the material of the head shell is aluminum alloy. There is an internal earthing bolt and an external bolt on the enclosure. The degree of protection is IP66.

One M20×1.5 electrical interface is reserved for IECEx certified cable gland.

The transmitter has the intrinsically safe parameters as follows:

Ui	Ii	Pi	Ci	Li
28V	100mA	0.7W	0.2nF	2μH

VT9299 Indicating Vibration Transmitters can only be used with an Intrinsically Safe Barrier. The intrinsically safe electrical system should meet the requirements of IEC60079-25:2010 2.0th Edition.

Rating: Rated working voltage: (12-28)VDC; Current: (4-20)mA