

(1) **EU-Type-Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



(3) **Certificate Number** TÜV CY 19 ATEX 0206240 X
(4) for the equipment: Vibration transmitter
VT9285 series
(5) of the manufacturer: **Shenyang VibroTech Instruments INC**
(6) Address: Room 206, No.7 Xinlong Street, HunNan New District, Shenyang,
Liaoning Province, P. R. China Postal Code:110179
Order number: 0206240
Date of issue: 2019-09-25

(7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.

(8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 19 0206240.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 /A11:2013 EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

 **II 2G Ex db IIC T6 Gb**

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,

D. Demosthenous

TÜV CYPRUS (TÜV NORD) Ltd,
2 Papaflessa Str., 2235 Latsia, Nicosia - P.O.Box: 20732, 1663 Nicosia, Cyprus
Tel:+357 22 44 28 40 Fax:+35722 44 28 50 email: info@tuvcyprus.com.cy
www.tuv-nord.com/cy

This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 19 ATEX 0206240 X

(15) Description of equipment

The VT9285 vibration transmitter is a digital vibration transmitter that combines digital circuit technique and piezoelectric principle; it is used to detect the vibration value of the machine. The transmitter is according to Ex db type of protection.

The explosion-proof joint surface of the upper part cover and the upper part shell is a threaded joint surface, and the explosion-proof joint surface of the upper part shell and the lower part shell is a threaded joint surface. There is a threaded hole on the shell reserved for ATEX certified entry with flameproof threaded joint of 3/4"NPT, 1/2"NPT, 1"NPT or M20×1.5

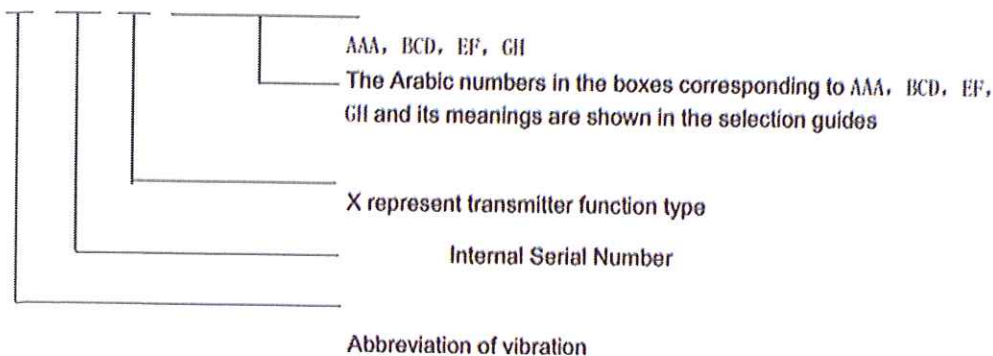
The equipment consists of two parts: the upper part and the lower part. The material of the lower part shell is 304SS or 316L stainless steel, and the material of the upper shell is aluminum alloy or 316L stainless steel. There is an internal earthing bolt and an external bolt on the enclosure.

Permissible range of ambient temperature: $-55\text{ °C} \leq T_a \leq +75\text{ °C}$

The degree of enclosure protection according to EN 60529 is IP66.

Identification code:

VT 9285 X AAA BCD EF GH



Ratings:

Accuracy	±1%
Response frequency	2Hz-2000Hz
Vibration range (output signal proportional to the vibration)	4 mA - 20mA
Dynamic signal (acceleration)	100mv/g (±5 %)
Sensing orientation	any directions

Warning labels:

The following warnings can be applied on the enclosure:

WARNING: Do not open when energized

WARNING: Cable and entry device refer to the instruction manual

(16) Test documents are listed in the test report No. 19 0206240.

Routine test:

The manufacturer shall carry out routine test according to clause 16.1 of the EN 60079-1, static overpressure test.

(17) Special conditions for safe use

Repair of the threaded joints must be made in compliance with the structural specifications provided by the manufacturer.

(18) Essential Health and Safety Requirements

No additional ones.