



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 BAS 20.0003X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2020-02-18
Applicant: **STI Vibration Monitoring Inc.**
1010 East Main Street
League City
Texas 77573
United States of America
Equipment: **Type CMCP420VT/Ex Series Sensor**
Optional accessory:
Type of Protection: **Flameproof**
Marking: **Ex db IIC T6 Gb (T_{amb} -20°C to +79°C)**

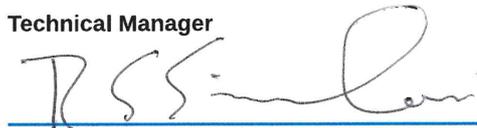
Approved for issue on behalf of the IECEx
Certification Body:

Mr R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)


18-2-20

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:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom

SGS





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Manufacturer: **STI Vibration Monitoring Inc.**
1010 East Main Street
League City
Texas 77573
United States of America

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

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:

[GB/BAS/ExTR20.0004/00](#)

Quality Assessment Report:

[US/ETL/QAR20.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The CMCP420VT/Ex series of velocity and velocity/temperature sensors are rated at 22 to 36Vdc, 23mA max input, with a 4-20mA, 5V max output signal. The sensor housing comprises of a machined stainless steel case. A recess in the rear of the case allows for the mounting of sensor circuitry and a 4-way terminal block. The remaining free space within the recess is taken up with a potting compound. The exterior of the case includes a male thread to allow the sensor to be mounted into a component certified flameproof enclosure. The exposed end of the case features a threaded hole into which a grub screw is fitted.

This certification covers the mounting of the sensor in the wall of the Ex component certified flameproof enclosure afforded IECEx SIR 09.0006U.

The supplied grub screw protrudes from the threaded hole with enough length exposed to allow the sensor assembly to be mounted onto a piece of machinery.

The component enclosure is provided with 2 internal threaded entries; one for the mounting of the sensor, with the other providing a cable entry for connection to external circuits.

The equipment is designed for mounting on machinery which may produce heat, therefore the end user shall ensure the maximum temperature rating of the enclosure is not exceeded.

The cable entry device used shall be suitable for the equipment, the cable, the conditions of use and shall be certified as equipment (not a component).

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The temperature at the flameproof enclosure shall not exceed +85°C