

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate Number: **Baseefa20ATEX0011X**

4 Product: **Type CMCP420VT/Ex Series Sensor**

5 Manufacturer: **STI Vibration Monitoring Inc.**

6 Address: **1010 East Main Street, League City, Texas, 77573,
United States of America**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR20.0004/00**

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

EN IEC 60079-0: 2018 EN 60079-1: 2014

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

⊕ II 2 G Ex db IIC T6 Gb (T_{amb} -20°C to +79°C)

SGS Baseefa Customer Reference No. **7977**

Project File No. **19/0437**

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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

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Certificate Number Baseefa20ATEX0011X

15 Description of Product

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.

This certification covers the mounting of the sensor in the wall of the Ex component certified flameproof enclosure afforded Sira09ATEX1023U.

The exposed end of the case features a threaded hole into which a grub screw is fitted. 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).

16 Report Number

SGS Baseefa Report Number: - GB/BAS/ExTR20.0004/00

17 Specific Conditions of Use

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

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject	
1.2.7	LVD type requirements	Standards require manufacturer's declaration, supplied.
1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
420VT/EXD/GENERAL	1 of 1	A	9/18/19	CMCP420VT/EXD Series General Arrangement
420VT/EXD/INSTALLATION	1 of 1	A	9/18/19	CMCP420VT/EXD Series IECEx/ATEX Ex d Applications
420VT/EXD/ASSEMBLY	1 of 1	A	9/18/19	CMCP420VT/EXD Series Assembly
420VT/EXD/CASE	1 of 1	A	9/18/19	CMCP420VT/EXD Series Case Machining and Etching
420VT/EXD/XPHD	1 of 1	A	9/18/19	CMCP420VT/EXD Series 420XPHD Dimensions

The above drawings are common to, and held with, IECEx BAS 20.0003X.