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:	**Baseefa16ATEX0182X – Issue 5**
4	Product:	**Vib Meter Type 9080-Ex**
5	Manufacturer:	**Summit Co., Ltd**
6	Address:	**58, Gaetbeol-ro Yeonsu-gu, Incheon, 21999 South Korea**

7 This re-issued certificate extends EU Type Examination Certificate No. **Baseefa16ATEX0182X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, 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.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN IEC 60079-0: 2018 EN 60079-11: 2012

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 :

Ex II 2G Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)

SGS Fimko Oy Customer Reference No. **7980** Project File No. **26/0344**

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13 # Schedule

14 ## Certificate Number Baseefa16ATEX0182X – Issue 5

15 Description of Product

The Vib Meter Type 9080-Ex is a vibration meter that can be used to take measurements of vibration using a cable connected (intrinsically safe) accelerometer. The vibration meter is capable of displaying vibration in a variety of different formats such as overall values of acceleration, velocity or displacement, frequency spectra or vibration in various frequency bands centred on multiples of a machine's running speed for example.

The vibration meter comprises a handheld unit with processor PCB, RF module, display and keypad. The keypad is used to initiate readings and navigate through the various different vibration display formats.

The unit is battery powered using two Energizer L91 type AA cells, which may only be changed in the non-hazardous area, that are fitted via a battery compartment lid that is attached by 6 screws to the rear of the instrument.

The only electrical connection that can be made to the vibration meter is the connection of an intrinsically safe accelerometer via an integral BNC connector.

The accelerometer BNC connector has the entity parameters:

Uo	=	21.42 V
Io	=	75 mA
Po	=	400 mW
Ci	=	0 F
Li	=	0 H
Co	=	100 nF
Lo	=	3.00 mH

The Vib Meter Type 9080-Ex may also be labelled as the following equipment:

- Bruel & Kjaer Vibro GmbH Vibrostore VST-100E.
- Wilcoxon MachineryMate MAC800-IS.

16 Report Number

See Certificate History.

17 Specific Conditions of Use

1. The elastomeric boot shall be fitted to the instrument at all times when used in the hazardous area.

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
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
D347-08-02	1 of 1	---	2026/08/07	Control PCB Block Diagram

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
400026	1 of 1	A	31/01/2017	BOM for Battery Protection
A3-200845A/1	1 of 1	0	24/01/2017	I.S. Protection Circuit Assembly – Top Component Ident
A3-200845A/7	1 of 1	0	24/01/2017	I.S. Protection Circuit Assembly – Bottom Component Ident
A3-301491A	1 of 1	0	17/01/2017	TPI Bottom Case Dimensions
A3-301492A	1 of 1	0	17/01/2017	TPI Top Case Dimensions
A3-301496A	1 of 1	0	17/01/2017	TPI Front Label and Keypad Dimensions
A3-301499A	1 of 1	0	17/01/2017	TPI Boot Dimensions
A3-301502A	1 of 1	0	01/02/2017	ATEX TPI Vibration Monitor
A4-200844A	1 of 1	0	28/07/2015	I.S. Protection Circuit Assembly - Schematic
A4-200845A/2	1 of 1	0	24/01/2017	I.S. Protection PCB - Component Side Copper
A4-200845A/8	1 of 1	0	24/01/2017	I.S. Protection PCB – Non-component Side Copper
A4-301493A	1 of 1	0	17/01/2017	TPI Battery Cover Dimensions
A4-301494A	1 of 1	0	17/01/2017	TPI BNC Housing Dimensions
A4-301495A	1 of 1	0	17/01/2017	TPI Lock Ring Dimensions
A4-301500A	1 of 1	0	03/02/2017	TPI Base Machining
A4-301501A	1 of 1	0	24/01/2017	TPI Top Machining
A4-400026A	1 of 1	0	12/01/2017	Battery Protection - Schematic
A4-400027A/1	1 of 1	0	12/01/2017	Battery Protection – Assy – Component layout
A4-400027A/2	1 of 1	0	12/01/2017	Battery Protection – Assy – Copper
D347-24-02	1 of 1	---	2024-10-30	Vibration Monitor Labels Model VST-100E
D347-25-03	1 of 1	---	2024-10-31	Boot Label Model VST-100E
D347-26-01	1 of 1	---	2024-10-30	Vibration Monitor Labels Model MAC800-IS
D347-27-02	1 of 1	---	2024-10-31	Boot Label Model MAC800-IS
D347-28-01	1 of 1	---	2024-10-30	Vibration Monitor Labels Model tpi9080Ex
D347-29-02	1 of 1	---	2024-10-31	Boot Label Model tpi9080Ex
M-200844A	1 of 1	0	23/02/2017	I.S. Protection Circuit Assembly - Parts List

20 Certificate History

Certificate No.	Date	Comments
Baseefa06ATEX0182X	15 March 2017	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2012+A11:2013 and EN 60079-11:2013 are documented in Test Report No. GB/BAS/ExTR16.0397/00, Project Number 14/0312.
Baseefa16ATEX0182X Issue 1	18 July 2018	To permit the fitting of a Bluetooth® module. The associated test and assessment against the requirements of EN 60079-0:2012+A11:2013 and EN 60079-11:2013 are documented in Test Report No. GB/BAS/ExTR16.0397/01, Project Number 18/0338
Baseefa16ATEX0182X Issue 2	15 August 2018	To permit the fitting of alternative marking labels that detail the US/C marking in addition to the IECEx & ATEX marking. The associated test and assessment against the requirements of EN 60079-0:2012+A11:2013 and EN 60079-11:2013 are documented in Test Report No. GB/BAS/ExTR17.0201/00, Project Number 18/0274
Baseefa16ATEX0182X Issue 3	12 August 2021	To permit the introduction of alternative equipment names (B&K VST-100E & Wilcoxon MAC800-IS) through new labels and to confirm that the current design meets the requirements of EN IEC 60079-0:2018. Test Report No. GB/BAS/ExTR21.0139/00. Project File No. 20/0422.
Baseefa16ATEX0182X Issue 4	2 December 2024	To permit the name and address change to the manufacturer from Synatel Instrumentation Limited to Summit Co., Ltd. The test and assessment is documented in IECEx ExTR GB/BAS/ExTR24.0192/00 and held with Project No. 24/0392.
Baseefa16ATEX0182X Issue 5	16 October 2026	To permit the use of alternative RF modules, replacing Bluetooth only modules, and additional minor electrical changes. The equipment description has been amended accordingly. Test Report No. GB/SGS/ExTR26.0105/00. Project File No. 26/0344
For drawings applicable to each issue, see original of that issue.		