

EX CERTIFICATE – IECEX

vibro-meter®

**IECEX BVS 23.0016U
for
ABA17x industrial housings**



Note: Although the Ex certificate may be included in more than one language, the liability of the notified body applies only on the text of the original copy of the certificate that it published.

Document reference IECEX BVS 23.0016U
Edition 1 – November 2024

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IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 23.0016U**

Date of issue: **2023-10-02**

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Issue No: 0

Manufacturer: **thuba Ltd.**
Stockbrunnenrain 9
4123 Allschwil
Switzerland

Manufacturing locations: **thuba Ltd.**
Stockbrunnenrain 9
4123 Allschwil
Switzerland

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 component 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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "r"
Edition: 3.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 3.1

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report: **DEBVS/EXTR16.0029/02**
Quality Assessment Report: **DEBVS/QAR13.0010/11**



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx BVS 23.0016U**

Status: **Current**

Date of issue: **2023-10-02**

Applicant: **thuba Ltd.**
Stockbrunnenrain 9
4123 Allschwil
Switzerland

Ex Component: **Empty enclosure type eCAM *******

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: Increased safety "e"; Dust ignition "r"

Marking: **Ex eb IIC Gb**
Ex tb IIIC Db

Approved for issue on behalf of the IECEx Certification Body:

Position: **Dr Franz Eickhoff**
Senior Lead Auditor, Certification Manager and officially recognised expert

Signature: (for printed version)

Date: (for printed version)

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:

DEKRA Testing and Certification GmbH
Certification Body
Dimendahlstrasse 9
44809 Bochum
Germany



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Annex
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Subject and Type

Empty enclosure type eCAM **1) **2) **3)

Type	size		
	width ¹⁾ [mm]	height ²⁾ [mm]	depth ³⁾ [mm]
Steel or stainless steel			

Enclosure with screwed fixing covers (size range)

eCAM 12 12 08	120	120	80
up to			
eCAM 45 45 20	450	450	200

Enclosure with hinges and latches (size range)

eCAM 20 20 10	200	200	100
up to			
eCAM 60 60 30	600	600	300



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Ex Component(s) covered by this certificate is described below:

General product information:

Subject and Type

See Annex

Description

The empty enclosure type eCam ** ** is built in type of protection Increased Safety "e" for use in areas with EPL Gb or Protection by Enclosure "t" for use in areas with EPL Db.

The empty enclosure is used for the mounting of different switch and control apparatus. The enclosure consists of steel or stainless steel and can be constructed with a screwed fixing cover or a cover with hinges and latches.

Parameters

Limits of service temperature
IP protection degree

-55 °C up to +100 °C

IP66

SCHEDULE OF LIMITATIONS:

None

Annex:

[BVS_23_0016U_Ituba_Annex_Issue0.pdf](#)