



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 BVS 24.0014** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2024-05-24)
Date of Issue: 2025-07-16
Applicant: **HBK FiberSensing, SA**
Via José Régio, 277
Vilar do Pinheiro 4485-860
Portugal
Equipment: **QuantumX BraggMeter type MXFS8DI1/FC and MXFS8SI1/FC**
Optional accessory:
Type of Protection: **Protection of equipment and transmission systems using optical radiation**
Marking: [Ex op is IIC T6 Ga]
[Ex op is IIIC Da]
[Ex op is I Ma]

Approved for issue on behalf of the IECEx
Certification Body:

Dr Franz Eickhoff

Position:

**Senior Lead Auditor, Certification Manager and officially
recognised expert**

Signature:
(for printed version)



Date:
(for printed version)

2025-07-16

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
Dinnendahlstrasse 9
44809 Bochum
Germany





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Certificate No.: **IECEX BVS 24.0014**

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Date of issue: 2025-07-16

Issue No: 1

Manufacturer: **HBK FiberSensing, SA**
Via José Régio, 277
Vilar do Pinheiro 4485-860
Portugal

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 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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:

[DE/BVS/ExTR24.0012/01](#)

Quality Assessment Report:

[DE/BVS/QAR23.0001/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Parameters:

Nominal Voltage	U_n	24	VDC
Maximum optical power per channel	P_{opt}	< 15	mW
Nominal optical power per channel	P_{opt}	< 1	mW
Ambient temperature range	T_a	-20° ... +50 °C	

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The address has changed.

Types MXFS8DI1/SC and MXFS8SI1/SC have been added.