



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 EXV 23.0048X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2023-09-22		
Applicant:	Hansford Sensors Limited Artisan Hillbottom Road Sands Industrial Estate Bucks HP12 4HJ United Kingdom		
Equipment:	HS-150tb Top & Side entry Series Accelerometers		
Optional accessory:			
Type of Protection:	Equipment dust ignition protection by enclosure "t"		
Marking:	Ex tb IIIC T110°C Db -55°C to +82°C		

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

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:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





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Manufacturer: **Hansford Sensors Limited**
Artisan
Hillbottom Road
Sands Industrial Estate
Bucks
HP12 4HJ
United Kingdom

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 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
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:

[GB/EXV/ExTR23.0084/00](#)

Quality Assessment Report:

[GB/BAS/QAR07.0040/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The HS-150I Top & Side entry Series Accelerometers are designed to measure acceleration or vibration by converting the signal generated by the compression of a Piezo electric crystal by a given seismic mass and outputting a broadband ac signal to the monitoring equipment.

The accelerometer comprises of a piezo electric crystal connected to a signal conditioning board, all contained within a fully welded steel enclosure.

Electrical connections are made via the integral cable.

Rating: 28V, 93mA, 0.65W

SPECIFIC CONDITIONS OF USE: YES as shown below:

Do not disconnect the equipment while energised.

The equipment is fitted with an integral cable, the flying lead terminations must be afforded a degree of protection of at least IP6X.



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Equipment (continued):

Technical Documents:

Title:	Drawing No.:	Rev. Level:	Date:
HS-150tb Top Exit General Arrangement	M06-104-A	A	03/08/23
HS-150tb Side Exit General Arrangement	M06-104-A	A	03/08/23
HS-150tb Top and Side Exit Markings	M06-104-A	A	03/08/23