



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 24.0070X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2024-11-07		
Applicant:	Flintec Group AB Caxton House, Caxton Place Cardiff CF23 8HG United Kingdom		
Equipment:	Models: PC1, SLB, PC6, PCB, RC3, SB14, SB4, SB8 Load Cells.		
Optional accessory:	No optional accessories.		
Type of Protection:	Equipment protection by increased safety "e" and Equipment dust ignition protection by enclosure "t"		
Marking:	Ex ec IIC T4 Gc Ex tb IIIC T ₂₀₀ 100 °C Db Ta = -40 °C to +60 °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: **Flintec Transducers (Pvt.) Ltd**
PO Box 24
Spur Rd 2
Phase 1
KEPZ
Katunayake
Sri Lanka

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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

[IEC 60079-7:2015](#) Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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/ExTR24.0110/00](#)

Quality Assessment Report:

[GB/EXV/QAR21.0013/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Load Cells Model: PC1, SLB, PC6, PCB, RC3, SB14, SB4, SB8

The PC1, SLB, PC6, PCB, RC3, SB14, SB4, SB8 are strain gauge based load cells, to be fixed in a permanent position, often alongside two or three other load cells. The enclosure comprises a stainless steel housing. However, the SLB and PC1 have exposed encapsulated part/s. A permanently fixed 'flying cable' is connected to the load cell via a 'potted' cable gland.

Equipment protection by increased safety "e" and Equipment dust ignition protection by enclosure "t".

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Mechanical impact to the non-metallic parts of PC1 may cause damage that invalidates types of protection Ex ec and Ex tb. The PC1 shall be installed in an enclosure or cover which will ensure that there is no risk of impact to the PC1. The level of impact protection is defined in IEC60079 Part 0 under 'Resistance to impact'.
- Models PC1 and SLB have enclosures which present a potential electrostatic charging hazard in the hazardous area. A suitable method must be used to minimize this risk, such as:
 - Control of environmental humidity to minimize the generation of static electricity.
 - Protection from direct airflow causing a charge transfer.
 - Touch with an insulating object.
 - Means to continuously drain off electrostatic charges
- Ensure that exposed conductive parts of load cells are connected to the equipotential bonding system in accordance with IEC 60079-14.
- Load cells with exposed encapsulation must not be exposed to direct sunlight or must be protected from direct sunlight when installed.
- The power source for Ex ec/tb must be a CE, UKCA or UL compliant SELV supply, with a working maximum load cell supply voltage of 15.0 V.
- The cable must be secured against pulling and bending for a distance of 25 mm from the cable entry point.



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Equipment (continued):

PC1, SLB, PC6, PCB, RC3, SB14, SB4, SB8 strain gauge based load cells,