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 22.0006X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2022-07-20) Issue 0 (2022-03-14)
Date of Issue:	2022-09-22		

Applicant: **Flintec Group AB**
Caxton House, Caxton Place
Cardiff CF23 8HG
United Kingdom

Equipment: **Load cells CN3, SB5, BK2, PC1, PC22, PC30, PC42, PC46, PC60, SB9, SLB, ULB, PC3, PC6, PC7, PCB, Q50, RC1, RC3, SB14, SB4, SB6, SB8, UB1, UB6, UXT, VT1 PC4, PC2 and PC12**

Optional accessory: N/A

Type of Protection: **Intrinsic safety**

Marking: Ex ia IIC T4 Ga

Ex ia IIIC T_{200}100°C Da

(Ta = -40 °C to +60 °C)

Approved for issue on behalf of the IECEx Certification Body: **Sean Clarke CEng MSc MIET**

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

IECEx Certificate of Conformity

Certificate No.: **IECEx EXV 22.0006X** Page 2 of 4

Date of issue: 2022-09-22 Issue No: 2

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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 Reports:

GB/EXV/ExTR22.0013/00 GB/EXV/ExTR22.0059/00 GB/EXV/ExTR22.0060/00
GB/EXV/ExTR22.0081/00

Quality Assessment Report:

GB/EXV/QAR21.0013/00

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The load cells type CN3 comprise the sensing gages, a board with the input connector in a housing for permanent installation. The enclosure comprises parts made in stainless steel.

The load cells type SB5, BK2, PC1, PC22, PC30, PC42, PC46, PC60, SB9, SLB, ULB and PC3 comprise the sensing gages, a board with the input connector in a housing for permanent installation. The enclosure comprises parts made in stainless steel or aluminium, depending on the model, some electronic parts are encapsulated, with some parts of the enclosure being formed by these encapsulated parts.

The load cells type PC6, PC7, PCB, Q50, RC1, RC3, SB14, SB4, SB6, SB8, UB1, UB6, UXT, VT1 PC4, PC2 and PC12 comprise the sensing gages, a board with the input connector in a housing for permanent installation. The enclosure comprises parts made in stainless steel, some internal electronic parts are encapsulated.

Limiting parameters:
Ui = 30 V
Ii = 300 mA
Pi = 1.6 W (all models excluding BK2 and VT1), 1.3 W (BK2 only), 1.5 W (VT1 only)
Ci = 0 µF
Li = 0 mH

Integral cable:
- maximum mutual capacitance per meter = 150 pF/m
- maximum mutual inductance per meter = 1 µH/m

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The models PC22, PC42, PC46 and PC60 provide an enclosure made in aluminium, when the equipment is used on areas requiring EPL Ga, the equipment must be protected against impacts or friction that could cause mechanically generated sparks.
- The load cells enclosures include non-metallic parts that can accumulate electrostatic charges that in rare extreme condition can represent an ignition risk. Refer to the manufacturer safety instructions for details about how to mitigate this ignition risk.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1 - Inclusion of models SB5, BK2, PC1, PC22, PC30, PC42, PC46, PC60, SB9, SLB, ULB, PC3, PC6, PC7, PCB, Q50, SB14, SB4, SB6, SB8, UB1, UB6, UXT, VT1 PC4, PC2 and PC12.

Issue 2 - Inclusion of models RC1 and RC3.

Annex:

IECEx Certificate Annex Template.pdf

Description Continued:
N/A

Routine Tests:
1. None.

Manufacturer's documents:			
Title:	Drawing No.:	Rev	Date:
Ex Schedule drawing – CN3	0102990	03	2022-04-08
Ex Category Marking Label	0108557	03	2022/06/08
Permitted Gage type for Ex products	0108772	02	2022/03/10
Ex Schedule drawing- SB5	0103069	01	2022/04/29
Ex Schedule drawing- BK2	0103072	01	2022/04/29
Ex Schedule drawing-PC1	0104053	01	2022/04/29
Ex Schedule drawing- PC22	0102988	01	2022/04/29
Ex Schedule drawing- PC30	0103070	01	2022/04/29
Ex Schedule drawing-PC42	0103648	01	2021/07/15
Ex Schedule drawing-PC46	0103649	01	2022/04/29
Ex Schedule drawing - PC60	0103269	02	2022/06/08
Ex Schedule drawing- SB9	0103233	01	2022/04/29
Ex Schedule drawing- SLB	0103154	01	2022/04/29
Ex Schedule drawing- ULB	0103163	01	2022/04/29
Ex Schedule drawing- PC3	0103187	02	2022/06/08
Ex Schedule drawing- PC6	0103153	01	2022/04/29
Ex Schedule drawing- PC7	0103173	01	2022/04/29
Ex Schedule drawing- PCB	0103011	01	2022/04/29
Ex Schedule drawing- Q50	0103181	01	2022/04/29
Ex Schedule drawing- SB14	0102641	01	2022/04/29
Ex Schedule drawing- SB4	0103031	01	2022/04/29
Ex Schedule drawing- SB6	0103129	01	2022/04/29
Ex Schedule drawing- SB8	0103130	01	2022/04/29
Ex Schedule drawing- UB1	0103157	01	2022/04/29
Ex Schedule drawing- UB6	0103161	01	2022/04/29
Ex Schedule drawing- UXT	0103191	01	2022/04/29
Ex Schedule drawing- VT1	0103225	01	2022/04/29
Schedule drawing- CN3	0102990	03	2022/04/08
Ex Schedule drawing- PC4	0103650	01	2022/04/29
Ex Schedule drawing- PC2	0103073	01	2022/04/29
Ex Schedule drawing- PC12	0103074	01	2022/04/29
EX Product Label	0108554	02	2022/04/08
Ex Schedule drawing- RC1 (*)	0103091	02	2022/08/06
Ex Schedule drawing- RC3 (*)	0103086	02	2022/08/06

*Note: An * is included before the title of documents that are new or revised.*

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.