



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 22.0006** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2022-03-14
Applicant: **Flintec Group AB**
Caxton House, Caxton Place
Cardiff CF23 8HG
United Kingdom
Equipment: **Load cell CN3**
Optional accessory: N/A
Type of Protection: **Intrinsic safety**
Marking: Ex ia IIC T4 Ga
Ex ia IIIC T₂₀₀100°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





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Manufacturer: **Flintec Transducers (Pvt.) Ltd**
PO Box 24
Spur Rd 2
Phase 1
KEPZ
Katunayake
Sri Lanka

Manufacturing locations: **Flintec Transducers (Pvt.) Ltd**
PO Box 24
Spur Rd 2
Phase 1
KEPZ
Katunayake
Sri Lanka

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 Report:

[GB/EXV/ExTR22.0013/00](#)

Quality Assessment Report:

[US/UL/QAR20.0003/00](#)



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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 CN3 model provides a capacity ranging from 500 to 50,000 kg with an integral cable length up to 10 m.

Input limiting parameters:

$U_i = 30\text{ V}$, $I_i = 300\text{ mA}$, $P_i = 1.6\text{ W}$, $C_i = 0\text{ }\mu\text{F}$ and $L_i = 0\text{ mH}$

Integral cable:

- maximum mutual capacitance per metre = 150 pF/m
- maximum mutual inductance per metre = 1 $\mu\text{H/m}$

SPECIFIC CONDITIONS OF USE: NO

Annex:

[IECEX Certificate Annex Template_1.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 product label	0108554	02	2022-04-08
Permitted Gage type for Ex products	0108772	02	2022-03-10
Ex category marking label	0108557	02	2022-03-07