

1 **UNITED KINGDOM CONFORMITY ASSESSMENT**
2 **UK TYPE EXAMINATION CERTIFICATE**

3 **Product Intended for use in Potentially Explosive Atmospheres**
4 **UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

5 Type Examination Certificate Number: **ExVeritas 22UKEX1191** Issue: **0**
6 Product: Load cell CN3
7 Manufacturer: Flintec Transducers (Pvt) Ltd
8 Address: PO Box 24, KEPZ Phase 1, Spur Rd 2, Western, Katunayake 11450, Sri Lanka

9 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

10 ExVeritas Limited Approved Body number 2585, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

11 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:


EN IEC 60079-0: 2018 **EN 60079-11:2012**

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

12 If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

13 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

14 The marking of the equipment shall include the following:

 II 1GD Ex ia IIC T4 Ga (Ta = -40 °C to +60 °C)
Ex ia IIIC T₂₀₀100°C Da (Ta = -40 °C to +60 °C)



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

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The status of this certificate can be verified at www.exveritas.com

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

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Schedule

13 Description of Product

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.

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 $\mu\text{H/m}$

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3569/A/1	20/04/2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Title:	Drawing No.:	Rev. Level:	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

15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

- None

15.2 Routine tests

- None

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform ExVeritas of any modifications to the design of the product described by this schedule.

Certificate: **ExVeritas 22UKEX1191**

Issue **0**

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