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 FMG 21.0017X**	Page 1 of 5	Certificate history: Issue 0 (2022-08-16)
Status:	**Current**	Issue No: 1	
Date of Issue:	2022-11-08		

Applicant: **Anyload Weigh & Measure Inc.**
6855 Antrim Avenue
Burnaby, British Columbia V5J 4M5
Canada

Equipment: **101, 102, 106, 107, 108, 110, 112, 202, 247, 266, 276, 296, 363, 535, 563, 651 series Load Cells, J04, J06, J08, J12 series Junction Boxes**

Optional accessory:

Type of Protection: **Ex ia**

Marking: Installations with single load cells (no junction box)

Ex ia IIC T6 Ga
Ex ia IIIC T83°C Da

Installations with multiple load cells (with junction box)

Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx Certification Body: **J. E. Marquedant**

Position: **VP, Manager - Electrical Systems**

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:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America

FM Approvals
Member of the FM Global Group

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Certificate No.: **IECEx FMG 21.0017X**

Date of issue: 2022-11-08

Issue No: 1

Manufacturer: **Anyload Weigh & Measure Inc.**
6855 Antrim Avenue
Burnaby, British Columbia V5J 4M5
Canada

Manufacturing locations: **ANYLOAD YOUNGZON TRANSDUCER (HANGZHOU) CO. LTD**
518, 18th Street
Qiantang New Area
Hangzhou City, Zhejiang 310018
China

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:

US/FMG/ExTR21.0020/00 US/FMG/ExTR21.0020/01

Quality Assessment Reports:

GB/FME/QAR22.0004/00 GB/FME/QAR22.0005/00

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

101, 102, 106, 107, 108, 110, 112, 202, 247, 266, 276, 296, 363, 535, 563, 651 series, Load cells.

J04, J06, J08, J12 series, Junction boxes.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The enclosure contains aluminum and is considered a potential risk of ignition by impact or friction. Care must be taken during installation to prevent impact or friction.
2. When two barriers are used, both barriers shall be connected to the same ground reference.

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Equipment (continued):

abcde-f-g-h-Ex. Load Cell.

Refer to the Annex for details.

abcde-f-Ex. Junction Box.

Refer to the Annex for details.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Minor changes to the model code. Safety is not affecte**d.**

Annex:

Annex to certificate IECEx FMG 21.0017X.pdf

Annex to certificate #IECEx FMG 21.0017X

abcde-f-g-h-Ex. Load Cell.

abc: Model series
101, 102, 106, 107, 108, 110, 112, 202, 247, 266, 276, 296, 363, 535, 563 or 651;

d: Structural code
A to Z (minor differences in enclosure shape, not affecting the interfaces);

e: Enclosure material
A (aluminum), H (alloy steel), S (stainless steel);

f: Structural variations (optional)
including seal type, threading, shape, size or dimensions, load cell sensitivity, equipped with lightning/surge protection
101: LE, GS, AK, LS, LK or blank
102: EL, GT, 02 or blank
106: 20, 02, CP, F, FB, ES or blank
107: 02, 20, 30 or blank
108: 3MUN, TD, UN, AD, AL, YM, 01, LL, MT, FL, ST, VS, LP or blank
110: BL or blank
112: blank
202: blank
247: LH, UN, WM, LL, 01, 02, 03 or blank
266: PT or blank
276: blank
296: blank
363: AN or blank
535: blank
563: 30, RS, SB, MT, WBL, 23, 23SE, 23LE, FK, RT, MS, LB, LF, GS, AS, BK, UN or blank
651: 22, 55, UN, 66, BC, UN, CS, GS or blank

g: Capacity code:
101: 1kg-20t
102: 100kg-200t
106: 100kg-600t
107: 1t-20t
108: 100g-2t
110: 1t-120t
112: 0.14Nm-11.3Nm
202: 3.75kg-275kg
247: 1kg-10t
266: 25kg-100t
276: 5t-100t
296: 5kg-10t
363: 500kg-300t
535: 2t-100t
563: 5kg-20t
651: 6kg-1t

h: Other variations (optional)
signifying parameters not affecting the electrical circuitry, interfaces, or the main structural design, such as cable length, cable type, connector type, labeling, etc.
101: YZ, xxm (xx can be any number) or blank
102: YZ, xxm (xx can be any number) or blank
106: YZ, xxm (xx can be any number) or blank

107: YZ, xxm (xx can be any number) or blank
108: YZ, xxm (xx can be any number) or blank
110: YZ, xxm (xx can be any number) or blank
112: xxm (xx can be any number) or blank
202: xxm (xx can be any number) or blank
247: YZ, xxm (xx can be any number) or blank
266: YZ, xxm (xx can be any number) or blank
276: xxm (xx can be any number) or blank
296: YZ, xxm (xx can be any number) or blank
363: YZ, xxm (xx can be any number) or blank
535: YZ, xxm (xx can be any number) or blank
563: YZ, xxm (xx can be any number) or blank
651: YZ, xxm (xx can be any number) or blank

abc-def-Ex. Junction Box.

abc: Model series
J04, J06, J08 or J12;

d: Trimming code
E (excitation trimming), S (signal trimming);

e: Enclosure material
A (aluminum), S (stainless steel);

f: Variations
16 (year 2016 released version), E (expansion port), FS (smaller in size), I (no section trimming and lightning protection), II (no section trimming but with lightning protection), III (with section trimming and lightning protection) or blank