



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





IECEX Certificate of Conformity

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

Page 2 of 5

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](#)



IECEX Certificate of Conformity

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

Page 3 of 5

Date of issue: 2022-11-08

Issue No: 1

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.



IECEX Certificate of Conformity

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

Page 4 of 5

Date of issue: 2022-11-08

Issue No: 1

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.



IECEX Certificate of Conformity

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

Page 5 of 5

Date of issue: 2022-11-08

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Minor changes to the model code. Safety is not affected.

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, O2 or blank

106: 20, O2, CP, F, FB, ES or blank

107: O2, 20, 30 or blank

108: 3MUN, TD, UN, AD, AL, YM, O1, LL, MT, FL, ST, VS, LP or blank

110: BL or blank

112: blank

202: blank

247: LH, UN, WM, LL, O1, O2, O3 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