



# 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](http://www.iecex.com)

Certificate No.: **IECEX FMG 21.0017X** Page 1 of 4 [Certificate history](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2022-08-16  
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)

*J. E. Marquedant*  
13 September 2022

Date:  
(for printed version)

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Certificate issued by:

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





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

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

**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 Report:

**US/FMG/ExTR21.0020/00**

Quality Assessment Reports:

**GB/FME/QAR22.0004/00**

**GB/FME/QAR22.0005/00**



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Date of Issue: 2022-08-16

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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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Date of issue: 2022-08-16

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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.

**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

including seal type, threading, shape, size or dimensions, load cell sensitivity, equipped with lightning/surge protection

101: LE, GS, AK, LS, LK

102: EL, GT, O2

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

107: O2, 20, 30

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

110: BL

112: blank

202: blank

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

266: PT

276: blank

296: blank

363: AN

535: blank

563: 30, RS, SB, MT, WBL, 23, 23SE, 23LE, FK, RT, MS, LB, LF, GS, AS, BK, UN

651: 22, 55, UN, 66, BC, UN, CS, GS;

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

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)