

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM18CA0032
3. **Equipment:**
(Type Reference and Name) 0745A. Analog Load Cells.
MTB. Load Cell.
SLB515 / SLB815. Load Cell.
4. **Name of Listing Company:** Mettler-Toledo GmbH
5. **Address of Listing Company:** Im Langacher 44
Greifensee CH-8606
Switzerland
6. The examination and test results are recorded in confidential report number:

3025753 dated 10th March 2008
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

CSA-C22.2 No. 157:R1991, CSA-C22.2 No. 142:R1987,
CSA-C22.2 No. 213:R1988, CSA-C22.2 No. 25:R2000
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**

Evaluated as Intrinsically Safe for use in class I,II,III, Division 1, Groups A, B, C, D, E, F and G; Nonincendive for Class I, Division 2, Groups A, B, C and D, Dust Ignition Proof for Class II,III, Division 2, F and G Hazardous Locations.

Certificate issued by:



J.E. Marquedant
VP, Manager, Electrical Systems

10 August 2018

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE



Canadian Certificate Of Conformity No: FM18CA0032

11. The marking of the equipment shall include:

0745A. Analog Load Cells.

Class I, Division 1, Groups A,B,C,D,E,F,G; T4 Ta = -40°C to +50°C

Vmax = 25V, Imax = 600mA, Pi = 1.25W, Ci = 0, Li = 29µH

Class I, Division 2, Groups A,B,C,D; T6 Ta = -40°C to +50°C

Dust Ignition Proof for Class II, III, Division 2, Groups F,G; T6 Ta = -40°C to +50°C

See Installation Drawing 30062229

MTB. Load Cell.

Class I, Division 1, Groups A,B,C,D,E,F,G; T4 Ta = -40°C to +50°C

Vmax = 25V, Imax = 600mA, Pi = 1.25W, Ci = 0, Li = 0

Class I, Division 2, Groups A,B,C,D; T6 Ta = -40°C to +50°C

Dust Ignition Proof for Class II, III, Division 2, Groups F,G; T6 Ta = -40°C to +50°C

See Installation Drawing 72189337

SLB515 / SLB815. Load Cell.

Class I, Division 1, Groups A,B,C,D,E,F,G; T4 Ta = -40°C to +50°C

Vmax = 25V, Imax = 600mA, Pi = 1.25W, Ci = 0, Li = 0

Class I, Division 2, Groups A,B,C,D; T6 Ta = -40°C to +50°C

Dust Ignition Proof for Class II, III, Division 2, Groups F,G; T6 Ta = -40°C to +50°C

See Installation Drawing 30136756

12. **Description of Equipment:**

General – These load cells are designed such when a load is applied to them an output voltage results which is proportional to the applied load.

Construction – See original and related supplemental reports for the construction descriptions of each load cell type.

Ratings - These load cells are rated for use in an ambient temperature range of -40°C to +50°C.

0745A. Analog Load Cells.

IS / I,II,III / 1 / ABCDEFG / T4 Ta = -40°C to +50°C – 30062229; Entity

NI / I / 2 / ABCD / T6 Ta = -40°C to +50°C – 30062229; NIFW

DIP / II,III / 2 / FG / T6 Ta = -40°C to +50°C

Entity Parameters: Vmax = 25 V, Imax = 600 mA, Pi = 1.25 W, Ci = 0, Li = 29 µH

NIFW Parameters: Vmax = 25 V, Imax = 600 mA, Ci = 0, Li = 29 µH

MTB. Load Cell

IS / I,II,III / 1 / ABCDEFG / T4 Ta = -40°C to +50°C – 72189337; Entity

NI / I / 2 / ABCD / T6 Ta = -40°C to +50°C – 72189337; NIFW

DIP / II,III / 2 / FG / T6 Ta = -40°C to +50°C

Entity Parameters: Vmax = 25V, Imax = 600 mA, Pi = 1.25 W, Ci = 0, Li = 0

NIFW Parameters: Vmax = 25 V, Imax = 600 mA, Ci = 0, Li = 29 µH

SLB515 / SLB815. Load Cell.

IS / I,II,III / 1 / ABCDEFG / T4 Ta = -40°C to +50°C – 30136756; Entity

NI / I / 2 / ABCD / T6 Ta = -40°C to +50°C – 30136756; NIFW

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SCHEDULE



Member of the FM Global Group

Canadian Certificate Of Conformity No: FM18CA0032

DIP / II,III / 2 / FG / T6 Ta = -40°C to +50°

Entity Parameters: Vmax = 20 V, Imax = 600 mA, Pi = 1.25 W, Ci = 0, Li = 0

NIFW Parameters: Vmax = 20 V, Imax = 600 mA, Ci = 0, Li = 0

13. Specific Conditions of Use:

None.

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
10 th March 2008	Original Issue.
10 th August 2018	<u>Supplement 7:</u> Report Reference: – RR212496 dated 10 th August 2018 Description of the Change: Reformat of Certificate. Clarification of Nonincedive Field Wiring parameters. Transfer Approval from Mettler-Toledo (ChangeZhou) Measurement Technology Ltd., ChangZhou, P.R. of China.

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