

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM16US0156X
3. **Equipment:** Model MSI-4260 IS Crane Scale  
(Type Reference and Name)
4. **Name of Listing Company:** Rice Lake Weighing Systems
5. **Address of Listing Company:** 19201 62<sup>nd</sup> Ave South  
Kent, Washington 98032  
United States of America
6. The examination and test results are recorded in confidential report number:  
  
3057241 dated 10<sup>th</sup> October 2017
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
  
FM Class 3600:2018, FM Class 3610:2018, FM Class 3810:2018,  
ANSI/ISA 60079-0:2020, ANSI/ISA 60079-11:2014, ANSI/IEC 60529:2004, ANSI/ISA 61010-1:2012
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:**  
  
Intrinsically safe for Class I, II, III Division 1, Groups C, D, E, F and G T4; AEx ia, Zone 0, Group IIB T4;  
AEx ia, Zone 20, Group IIIC T135°C hazardous (classified) locations, indoors and outdoors with an ambient temperature rating of -20°C to +50°C.

## Certificate issued by:

  
J.E. Marquedant  
VP, Manager - Electrical Systems

29 July 2021  
Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmaprovals.com](mailto:information@fmaprovals.com) [www.fmaprovals.com](http://www.fmaprovals.com)

# SCHEDULE



US Certificate Of Conformity No: FM16US0156X

11. The marking of the equipment shall include:

IS Class I Division 1, Groups C, D; T4 Ta = -20°C to 50°C – PN 184530

IS Class II, Division 1, Groups E, F, G, T4; Class III, Division 1 Ta = -20°C to +50°C – PN 184530

Class I, Zone 0, AEx ia IIB T4 Ta = -20°C to +50°C Ga – PN 184530

Class I, Zone 20, AEx ia IIIC T135°C Ta = -20°C to +50°C Da – PN 184530

12. **Description of Equipment:**

**General** - The model MSI-4260 IS Crane Scale is a self-contained, battery operated crane scale and is intended for both indoor and outdoor use. The enclosure for the scale is constructed of aluminum alloy (356.0-T51 Sand Cast) and has a hook on the bottom of the unit and a closed hook on the top. There are three separate chambers in the scale. Push button switches are used for controlling the scale functions. These are: Power, Zero, Tare and User. The scale has nine weight capacity ranges with maximums ranging from 500 Lbs to 100K Lbs.

**Construction** - The model MSI-4260 IS Crane Scale consists of a three compartment housing one for the electronics, one for the load cell and one for the battery pack; the chambers are isolated from one another. There is a viewing window made of 9034 Lexan material for the LED display. Gasket material between compartments is Nitrile rubber and is used to prevent the ingress of material into the enclosure. The battery-pack compartment is opened via two snap latches to remove the battery-pack for charging in a non-hazardous area.

**Ratings** - The model MSI-4260 IS Crane Scale operates from a 12V, 7.5 AH rechargeable battery pack, which has resistive current limiting built into the pack. The Crane Scale is rated for use in an ambient temperature range of -20°C to +50°C.

13. **Specific Conditions of Use:**

1. The battery must be charged in a non-hazardous area. Do not bring the battery charger into a hazardous area
2. The equipment enclosure contains more than 10% of aluminium, and is considered a sparking hazard. Care must be taken during installation and use to prevent potential sparking.
3. The display window is a potential electrostatic hazard. Clean only with a damp cloth.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

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

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# **SCHEDULE**



US Certificate Of Conformity No: FM16US0156X

## **16. Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
10 <sup>th</sup> October 2017	Original Issue.
29 <sup>th</sup> July 2021	<p>Supplement 1: Report Reference: – RR228287 dated 29 July 2021. Description of the Change:</p> <ol style="list-style-type: none"><li>1) FM3600, FM3610 and FM3810 updated to latest edition (2018)</li><li>2) ANSI/UL 60079-0 updated to Edition 7 (2020)</li><li>3) Company address updated</li><li>4) Specific Conditions of Use updated (Section 13)</li></ol>

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# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM16CA0092X
3. **Equipment:** Model MSI-4260 IS Crane Scale  
(Type Reference and Name)
4. **Name of Listing Company:** Rice Lake Weighing Systems
5. **Address of Listing Company:** 19201 62<sup>nd</sup> Ave South  
Kent, Washington 98032  
United States of America
6. The examination and test results are recorded in confidential report number:  
  
3057241 dated 10<sup>th</sup> October 2017
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
  
CAN/CSA-C22.2 No. 60079-0:2019, CAN/CSA-C22.2 No. 60079-11:2014,  
CAN/CSA-C22.2 No. 61010-1:2012, CSA-C22.2 No. 60529:R2016
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:**  
  
Intrinsically safe for Class I,II, III Division 1, Groups C, D, E, F and G T4; Ex ia, Zone 0, Group IIB T4; Ex ia, Zone 20, Group IIIC T135°C hazardous locations, indoors and outdoors with an ambient temperature rating of -10°C to +50°C.

## Certificate issued by:

J.E. Marquedant  
VP, Manager - Electrical Systems

29 July 2021

Date

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# SCHEDULE



Canadian Certificate Of Conformity No: FM16CA0092X

11. The marking of the equipment shall include:

Ex ia Class I Division 1, Groups C, D; T4 Ta = -10°C to +50°C – PN 184530

Ex ia Class II, Division 1, Groups E, F, G, Class III, Division 1; T4 Ta = -10°C to +50°C – PN 184530

Class I, Zone 0, Ex ia IIB T4 Ga Ta = -10°C to +50°C – PN 184530

Class I, Zone 20, Ex ia IIIC T135°C Da Ta = -10°C to +50°C – PN 184530

12. **Description of Equipment:**

**General** - The model MSI-4260 IS Crane Scale is a self-contained, battery operated crane scale and is intended for both indoor and outdoor use. The enclosure for the scale is constructed of aluminum alloy (356.0-T51 Sand Cast) and has a hook on the bottom of the unit and a closed hook on the top. There are three separate chambers in the scale. Push button switches are used for controlling the scale functions. These are: Power, Zero, Tare and User. The scale has nine weight capacity ranges with maximums ranging from 500 Lbs to 100K Lbs.

**Construction** - The model MSI-4260 IS Crane Scale consists of a three compartment housing one for the electronics, one for the load cell and one for the battery pack; the chambers are isolated from one another. There is a viewing window made of 9034 Lexan material for the LED display. Gasket material between compartments is Nitrile rubber and is used to prevent the ingress of material into the enclosure. The battery-pack compartment is opened via two snap latches to remove the battery-pack for charging in a non-hazardous area.

**Ratings** - The model MSI-4260 IS Crane Scale operates from a 12V, 7.5 AH rechargeable battery pack, which has resistive current limiting built into the pack. The Crane Scale is rated for use in an ambient temperature range of -10°C to +50°C.

MSI-4260 IS. Crane Scale.

13. **Specific Conditions of Use:**

1. The battery must be charged in a non-hazardous area. Do not bring the battery charger into a hazardous area
2. The equipment enclosure contains more than 10% of aluminium, and is considered a sparking hazard. Care must be taken during installation and use to prevent potential sparking.
3. The display window is a potential electrostatic hazard. Clean only with a damp cloth.

14. **Test and Assessment Procedure and Conditions:**

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

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# **SCHEDULE**



Canadian Certificate Of Conformity No: FM16CA0092X

## **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 <sup>th</sup> October 2017	Original Issue.
29 <sup>th</sup> July 2021	<b>Supplement 1:</b> Report Reference: – RR228287 dated 29 <sup>th</sup> July 2021. Description of the Change: <ol style="list-style-type: none"><li>1) CSA C22.2 No. 60079-0 updated to Edition 7 (2019)</li><li>2) Company address updated</li><li>3) Specific Conditions of Use updated (Section 13)</li></ol>

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