

# 1 EU-TYPE EXAMINATION CERTIFICATE



2 **Equipment or Protective systems intended for use in Potentially Explosive Atmospheres - Directive 2014/34/EU**

3 **EU-Type Examination Certificate No:** FM18ATEX0052X

4 **Equipment or protective system:** Model MSI-4260 IS Crane Scale  
(Type Reference and Name)

5 **Name of Applicant:** Rice Lake Weighing Systems

6 **Address of Applicant:** 19201 62<sup>nd</sup> Ave South  
Kent, Washington 98032  
United States of America

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Europe Ltd, notified body number 2809 in accordance with Article 17 of Directive 2014/34/EU of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

3057241 dated 10<sup>th</sup> October 2017

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60529:1991+A1:2000+A2:2013

10 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.

11 This EU-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 1 G Ex ia IIB T4 Ga -10°C ≤ Ta ≤ +50°C

II 1 D Ex ia IIIC T135 °C Da -10°C ≤ Ta ≤ +50°C

**Martin Crowe**  
Certification Manager, FM Approvals Europe Ltd.

Issue date: 12<sup>th</sup> December 2022

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

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F ATEX 020 (Dec/2020)



## SCHEDULE

to EU-Type Examination Certificate No. FM18ATEX0052X

### 13 Description of Equipment or Protective System:

**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 to IP65. 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.

### 14 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.

### 15 Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

### 16 Test and Assessment Procedure and Conditions:

This EU-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Europe Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

### 17 Schedule Drawings

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body.

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## SCHEDULE

to EU-Type Examination Certificate No. FM18ATEX0052X

### 18 Certificate History

Details of the supplements to this certificate are described below:

Date	Description
19 <sup>th</sup> June 2019	Original Issue, replaces certificate FM16ATEX0038X originally issued by FM Approvals Limited (Notified Body number 1725) – refer to Revision Request RR219118, dated 18 <sup>th</sup> June 2019.
11 <sup>th</sup> October 2019	<u>Supplement 1:</u> Report Reference: RR220676 dated 10 <sup>th</sup> October 2019. Description of the Change: Minor design changes not affecting compliance.
30 <sup>th</sup> July 2021	<u>Supplement 2:</u> Report Reference: RR228287 dated 29 <sup>th</sup> July 2021 Description of the Change: <ol style="list-style-type: none"> <li>1) EN 60079-0:2012+A11:2013 updated to EN IEC 60079-0:2018</li> <li>2) Specific Conditions of Use updated (see Section 14)</li> <li>3) Documentation update to include for addition of UKCA marking.</li> </ol>
29 <sup>th</sup> September 2022	<u>Supplement 3:</u> Report Reference: RR234330 dated 28 <sup>th</sup> September 2022. Description of the Change: Updated assembly drawing and bill of materials for component update.
12 <sup>th</sup> December 2022	<u>Supplement 4:</u> Report Reference: RR235168 dated 02 <sup>nd</sup> December 2022 Description of the Change: Minor documentation updates, including addition of French language translations.

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# Blueprint Report

## Rice Lake Weighing Systems (100003334)

Class No 3610

Original Project I.D. 3057241

Certificate I.D. FM18ATEX0052X

Drawing No.	Revision Level	Drawing Title	Last Report	Electronic Drawing
<b>149780</b>	<b>B</b>	<b>Label, Void liability</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
<b>184530</b>	<b>E</b>	<b>Installation IS doc, Conditions of Use</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
503528_BOM	D	BOM - PCA Scalecore_3	RR228287	Yes (pdf)
503528_DWG	D	Assy_Sch - PCA Scalecore_3	RR228287	Yes (pdf)
503568_BOM	F	BOM - PCA 5 Digit LED Display 4260 IS	RR220676	Yes (pdf)
503568_DWG	F	Assy_Sch - PCA 5 Digit LED Display 4260 IS	RR220676	Yes (pdf)
503591_DWG	G1	PCA Battery Charger, assy, schematic	RR219118	Yes (pdf)
<b>AW 149780</b>	<b>2</b>	<b>Label, Void liability, artwork</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
<b>AW 158512</b>	<b>8</b>	<b>Label dwg, AW, Hazardous Locations - Falling hazard</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
AW 184418	R1	Serial tag aluminum plate, AW	3057241	Yes (pdf)
<b>AW 185038</b>	<b>2</b>	<b>Battery Warning Label, artwork</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
PN 156013_BOM	H	BOM - Final Assy With Swivel Hook 4260 IS	RR234330	Yes (pdf)
PN 156013_DWG	H	Assy - Final Assy With Swivel Hook 4260 IS	RR234330	Yes (pdf)
PN 156100_BOM	D	BOM - Front Casting Assy 4260 IS	RR219118	Yes (pdf)
PN 156100_DWG	D	Assy - Front Casting Assy 4260 IS	RR219118	Yes (pdf)
PN 156105_BOM	A	BOM - Electronics Assy 4260 IS	3057241	Yes (pdf)
PN 156105_DWG	A	Assy - Electronics Assy 4260 IS	3057241	Yes (pdf)
<b>PN 158512</b>	<b>F</b>	<b>Label dwg, Hazardous Locations - Falling hazard</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
PN 167675_BOM	NEW	BOM - Rear Casting Assy 12V 4260 IS	3057241	Yes (pdf)
PN 167675_DWG	NEW	Assy - Rear Casting Assy 12V 4260 IS	3057241	Yes (pdf)
PN 167777_BOM	C	BOM - Battery Assy 12V SLA 4260 IS	RR212149	Yes (pdf)
PN 167777_DWG	C	Assy - Battery Assy 12V SLA 4260 IS	RR212149	Yes (pdf)
PN 173157_BOM	NEW	BOM - Cable Assy Bulkhead Power 4260 IS	3057241	Yes (pdf)
PN 173157_DWG	NEW	Assy - Cable Assy Bulkhead Power 4260 IS	3057241	Yes (pdf)
PN 173158_BOM	A	BOM - Bulkhead Assy 4260 IS	3057241	Yes (pdf)
PN 173158_DWG	A	Assy - Bulkhead Assy 4260 IS	3057241	Yes (pdf)
PN 183869_DWG	B	DWG - LED Window 4260 IS	RR219118	Yes (pdf)
PN 184418	A	Serial tag aluminum plate, DWG	3057241	Yes (pdf)
<b>PN 185038</b>	<b>B</b>	<b>Battery Warning Label, DWG</b>	<b>RR235168</b>	<b>Yes (pdf)</b>
PN 503570_BOM	F	BOM - PCA 12V SLA Battery 4260 IS	RR219118	Yes (pdf)
PN 503570_DWG	F	Assy, Sch - PCA 12V SLA Battery 4260 IS	RR219118	Yes (pdf)