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UNITED KINGDOM CONFORMITY ASSESSMENT

UK-TYPE EXAMINATION CERTIFICATE



2 Equipment or Protective systems intended for use in Potentially Explosive Atmospheres –
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate No: FM21UKEX0104X

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 62nd 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 Ltd, Approved Body number 1725, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

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

3057241 – RR228287 dated 29th July 2021

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 UK-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance with the Regulations. Further requirements of the Regulations apply to the manufacturing process and supply of this product. 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



Digitally signed by Victor Aluko-Oginni
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Foxit PhantomPDF Version: 10.1.5

Victor Aluko-Oginni
Certification Manager, FM Approvals Ltd.

Issue date: 13th December 2022

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

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F UKEX 020 (Jan/21)



0259
Page 1 of 3

SCHEDULE



Member of the FM Global Group

to UK-Type Examination Certificate No. FM21UKEX0104X

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 aluminum 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:

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the confidential report identified in item 8.

16 Test and Assessment Procedure and Conditions:

This UK-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 UKCA Marking, FM Approvals Ltd accepts no responsibility for the compliance of the equipment against all applicable Regulations in all applications.

This Certificate has been issued in accordance with FM Approvals Ltd's UKCA 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 Approved Body.

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SCHEDULE



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to UK-Type Examination Certificate No. FM21UKEX0104X

18 Certificate History

Details of the supplements to this certificate are described below:

Date	Description
3 rd August 2021	Original Issue.
30 th September 2022	<u>Supplement 1:</u> Report Reference: RR234330 dated 28 th September 2022. Description of the Change: Updated assembly drawing and bill of materials for component update.
13 th December 2022	<u>Supplement 2:</u> Report Reference: RR235168 dated 2 nd 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 (1000003334)

Class No 3610

Original Project I.D. 3057241

Certificate I.D. FM21UKEX0104X

<u>Drawing No.</u>	<u>Revision Level</u>	<u>Drawing Title</u>	<u>Last Report</u>	<u>Electronic Drawing</u>
149780	B	Label, Void liability	RR235168	Yes (pdf)
184530	E	Installation IS doc, Conditions of Use	RR235168	Yes (pdf)
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)
AW 149780	2	Label, Void liability, artwork	RR235168	Yes (pdf)
AW 158512	8	Label dwg, AW, Hazardous Locations - Falling hazard	RR235168	Yes (pdf)
AW 184418	R1	Serial tag aluminum plate, AW	3057241	Yes (pdf)
AW 185038	2	Battery Warning Label, artwork	RR235168	Yes (pdf)
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)
PN 158512	F	Label dwg, Hazardous Locations - Falling hazard	RR235168	Yes (pdf)
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)
PN 185038	B	Battery Warning Label, DWG	RR235168	Yes (pdf)
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)