

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 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 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 10th 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 60079-0:2012+A11:2013, 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



Richard Zammitt
Certification Manager, FM Approvals Europe Ltd.

Issue date: 19th June 2019

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

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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 display window is a potential electrostatic hazard. Clean only with a damp cloth.
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.

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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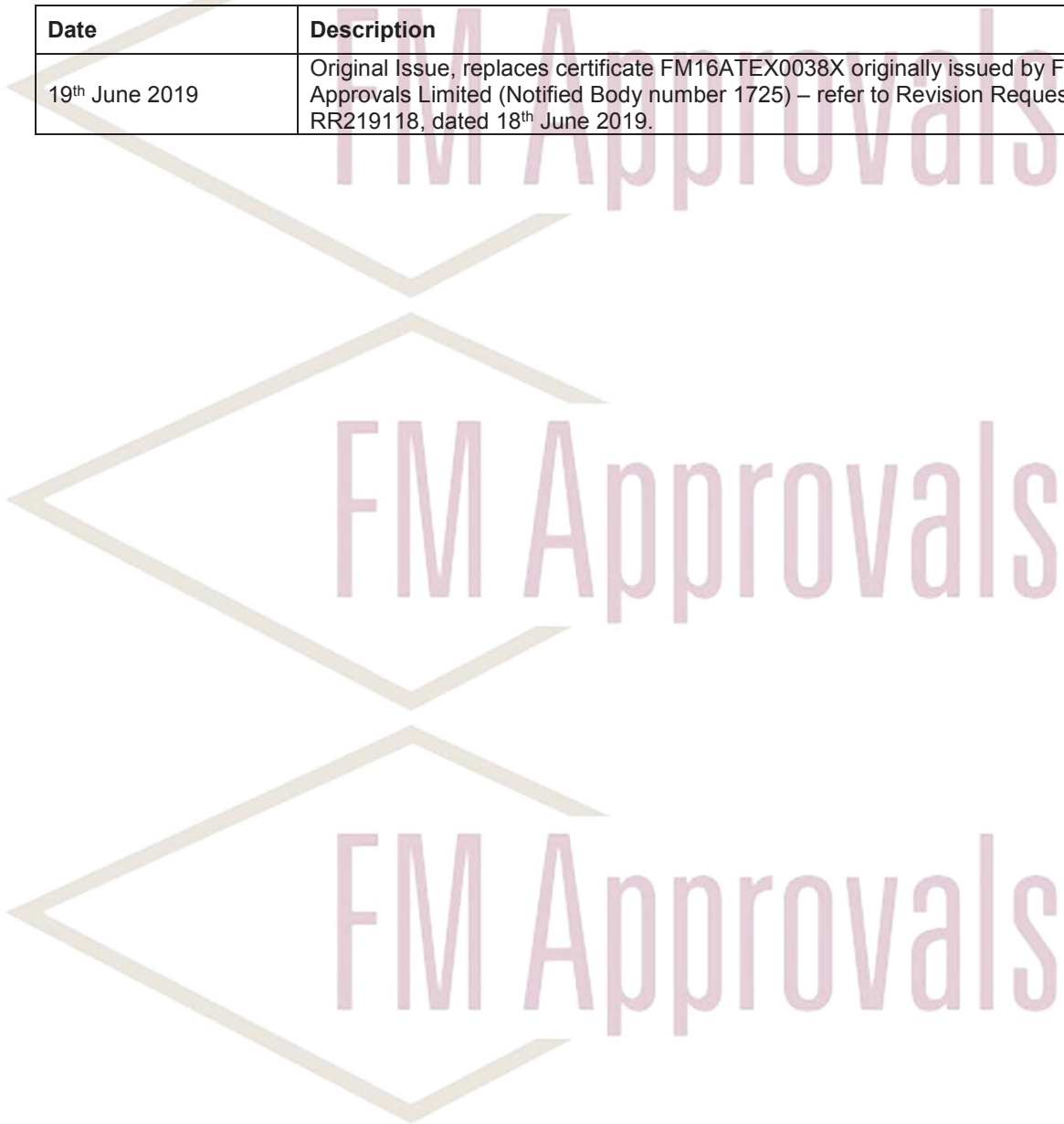
SCHEDULE

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18 Certificate History

Details of the supplements to this certificate are described below:

Date	Description
19 th June 2019	Original Issue, replaces certificate FM16ATEX0038X originally issued by FM Approvals Limited (Notified Body number 1725) – refer to Revision Request RR219118, dated 18 th June 2019.



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