

Conditions of Use in Hazardous Locations

The MSI-4260 IS is certified as being intrinsically safe and appropriate for use in hazardous locations as long as the conditions of use stated in this document are followed. This is a controlled document, any changes must be reviewed by FM Approvals.

Certification and Classification

The MSI-4260 IS is certified for use in hazardous locations per United States, Canadian, and European standards.

Hazardous (Classified) Location Electrical Equipment Per US Requirements

Certificate No:	FM16US0156X
Approval Standards:	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
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.

Hazardous Location Electrical Equipment Per Canadian Requirements

Certificate No:	FM16CA0092X
Approval Standards:	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
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.

Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

EU-Type Examination Certificate No:	FM18ATEX0052X
Compliance:	FM Approvals Europe Ltd, 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.
Compliance to the Following Documents:	EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60529:1991 + A1:2000 + A2:2013
Equipment Ratings:	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

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

Type Examination Certificate No:	FM21UKEX0104X
Compliance:	FM Approvals Ltd, 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.
Compliance to the Following Documents:	EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60529:1991 + A1: 2000 + A2:2013
Equipment Ratings:	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

Conditions of Use

Service

The entire scale must be shipped back to Rice Lake Weighing Systems for repair. Please contact a local dealer or Rice Lake Weighing Systems to obtain a return material authorization (RMA). There are no user serviceable parts within the MSI-4260 IS. All repairs are to be performed by qualified service personnel only. Removing the warranty and liability label compromises the FM rating.

Equipment

The MSI-4260 IS is powered by an intrinsically safe 12V Sealed Lead Acid (SLA) rechargeable battery, PN 167777. The MSI-4260 IS also includes a battery charger designed to charge and maintain the battery, PN 170606. This battery and battery charger are certified for use with the MSI-4260 IS. Use of any other battery or charger voids the intrinsic safety certification.



The battery charger is not certified for use in hazardous environments. The battery can be removed from the product in the hazardous environment, but must be charged in a non-hazardous area.

Periodically, inspect the battery latches for fit. Adjust the screw latch by rotating the catch on its threads to maintain a tight seal on the battery o-ring. The 12V Sealed Lead Acid battery can be a falling hazard. When opening the battery hatch, be sure to hold the battery to prevent it from falling.

System Limitations and Restrictions

- All instrumentation must have identification nameplates in compliance with control drawings.
- No modifications can be made in the field
- It is mandatory to return the MSI-4260 IS to Rice Lake Weighing Systems for service.



The battery must be charged in a non-hazardous area. Do not bring the battery charger into a hazardous area.

The MSI-4260 IS enclosure, being over 10% aluminum, is considered a sparking hazard. Care must be taken during installation and use to prevent potential sparking.

The MSI-4260 IS display window is a potential electrostatic hazard. Clean only with a damp cloth.



The MSI-4260 IS must only be used in hazardous locations if the temperature is between -20°C and +50°C per US requirements or -10°C and +50°C per Canadian and Directive 2014/34/EU requirements.



© Rice Lake Weighing Systems Specifications subject to change without notice.
Rice Lake Weighing Systems is an ISO 9001 registered company.

19201 62nd Ave S. • Kent, WA 98032 • USA

U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319