



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX FMG 18.0018X**

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Certificate history:

Status: **Current**

Issue No: 9

Issue 8 (2022-12-02)

Issue 7 (2022-03-30)

Issue 6 (2021-06-14)

Issue 5 (2020-08-11)

Issue 4 (2019-12-03)

Issue 3 (2019-10-24)

Issue 2 (2019-08-07)

Issue 1 (2019-07-09)

Issue 0 (2019-02-25)

Date of Issue: 2024-01-26

Applicant: **Rice Lake Weighing Systems**
230 W Coleman
Rice Lake WI
54868
United States of America

Equipment: **882 Weighing System**

Optional accessory:

Type of Protection: **Intrinsic safety "ia", Encapsulation "mb"**

Marking:

IECEX FMG 18.0018X

882IS, 882IS Plus. Digital Weight Indicator

Ex ia IIC T4 Ga; Entity ; IP66

Ex ib IIIC T135°C Db; Entity; IP66

Ta = -10°C to 40°C

mb-EPS-100-240-X2. Power Supply

Ex mb [ia Ga] IIC T4 Gb; Entity

Ex mb [ia Da] IIIC T135°C Db; Entity

Ta = -10°C to 40°C

IS6V2. Battery Module

Ex ia IIC T4 Ga; Entity;

Ex ib IIIC T135°C Db; Entity

Ta = -10°C to 40°C

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





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Manufacturer: **Rice Lake Weighing Systems**
230 W Coleman
Rice Lake WI
54868
United States of America

Manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-18:2014](#) Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
Edition:4.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/FMG/ExTR18.0015/00](#)
[US/FMG/ExTR18.0015/03](#)
[US/FMG/ExTR18.0015/06](#)
[US/FMG/ExTR18.0015/09](#)

[US/FMG/ExTR18.0015/01](#)
[US/FMG/ExTR18.0015/04](#)
[US/FMG/ExTR18.0015/07](#)

[US/FMG/ExTR18.0015/02](#)
[US/FMG/ExTR18.0015/05](#)
[US/FMG/ExTR18.0015/08](#)

Quality Assessment Report:

[GB/FME/QAR19.0005/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

IS6V2. Battery Module.

882IS, 882IS Plus. Digital Weight Indicator

mb-EPS-100-240-X2. Power Supply.

The optical radiation output of the apparatus with respect to explosion protection is covered in this certificate based on Exceptions 1) and 5) to the scope of IEC 60079-28:2015.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The keypad is considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Minor design and drawing changes not affecting compliance.