



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx FMG 13.0005X

Issue No: 7

Certificate history:

Issue No. 7 (2019-03-27)

Issue No. 6 (2019-01-07)

Issue No. 5 (2018-11-20)

Issue No. 4 (2017-08-28)

Issue No. 3 (2016-10-25)

Issue No. 2 (2016-05-10)

Issue No. 1 (2013-08-30)

Issue No. 0 (2013-06-14)

Status: **Current**

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Date of Issue: **2019-03-27**

Applicant: **Great Plains Industries, Inc**
5252 E. 36th Street North.
Wichita, Kansas 67220
United States of America

Equipment: **Electronic Digital Meter**

Optional accessory: *Remote (Display) Kit Assembly 113275-1*

Type of Protection: **Intrinsically Safe ia**

Marking:
Ex ia IIC T6 Ta = 60°C Ga IP65

Approved for issue on behalf of the IECEx
Certification Body:

J.E.Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:

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 the [Official IECEx Website](#).

Certificate issued by:

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





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Manufacturer: **Great Plains Industries, Inc.**
5252 E. 36th Street North.
Wichita, Kansas 67220 USA
United States of America

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical 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 Report:

US/FMG/ExTR13.0005/00	US/FMG/ExTR13.0005/01	US/FMG/ExTR13.0005/02
US/FMG/ExTR13.0005/03	US/FMG/ExTR13.0005/04	US/FMG/ExTR13.0005/05
US/FMG/ExTR13.0005/06	US/FMG/ExTR13.0005/07	

Quality Assessment Report:

GB/FME/QAR13.0010/04



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Electronic Digital Meter

The Electronic Digital Meters are battery powered (two 3 volt Lithium batteries) turbine flow meters. These meters contain a turbine assembly, microprocessor and LCD readout and are designed for measuring batch or cumulative quantities of liquids including fuels. Each turbine assembly is contained in a housing made of brass, aluminum, stainless steel, nylon or PVDF plastic. Process pressure rating varies depending on the enclosure material and construction. The display cover assembly is clear plastic and all of the electronics except the batteries and the LCD display are completely encapsulated. A remote kit option is also available that permits the electronics assembly to be mounted up to 100 feet from the turbine assembly.

See attachment for model code information .

SPECIFIC CONDITIONS OF USE: YES as shown below:

The Electronic Digital Meters shall only be used with GPI battery 902004-02.

Some of the enclosure contains aluminium and are considered to present a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction

Part of the enclosure is constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned only with a damp cloth.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Update to marking plate and manual to reflect change to Notified Body Number.

Certificate transferred from FM Approvals Ltd., notified body no. 1725, to FM Approvals Europe Ltd., notified body no. 2809



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Additional information:

See attached

Annex:

[GPI Model Listing Information IECEX Addendum.pdf](#)

[ATTYLONJ.pdf](#)

MODEL LISTING INFORMATION IECEx Addendum

Model abcdefg. Electronic Digital Meter.

a = Product Identifier A1 or A2.

b = Computer Assembly 01, 02, 03, 04, 05, 06, 07, 08, 09 or XX.

c = Factory Calibration G, L, Q, Z, P, B, U, M, F, I, J, O or X.

d = Time Base M, S, H, D or X.

e = Turbine Housing A025, A050, A075, A100, A150, A200, B050, B075, B100, B150, B200, N025, N100, P050, P100, S025, S050, S075, S100, S150, S200, V025, V100, X025, X050, X075, X100, X150, X200, Z050, Z100, XXXX or 0000.

f = Fitting N, I, B, T, F, X or 0.

g = Packaging A1, A2, B1, B2, B3, C1, C2, C3, C4, D1, D2, J1, J2, K1, K2, K3, K4, K5, L1, L2, L3, L4, L5, XX or 00.

Model abcdefgh. Electronic Digital Meter.

a = Product Identifier: G2 or N2.

b = Turbine Body Material: A, B, P, S, X or Z.

c = Turbine Size: 05, 07, 10, 15, or 20.

d = Fitting Type: N, I, X, T or F.

e = Computer Assembly: 03, 04, 05, 06, 07, 08, 09, 19 or XX.

f = Factory Calibration: G, L, Q, Z, P, B, U, M, F, I, J, O or X.

g = Time Base M, S, H, D or X.

h = Packaging kit: A, B, D or E.

Model abcd. Electronic Digital Meter.

a = Computer Assembly 03, 04, 05, 06, 07, 08 or 09.

b = Housing/Turbine Assembly A, N or S.

c = Flow Range 11, 12, 13, 30, 31, or 32.

d = Factory Cal. Units GM, LM or GMME.

GPI Remote Kit Assembly 113275-1 per installation drawing 920507-01

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c = Factory Calibration G, L, Q, Z, P, B, U, M, F, I, J, O or X.

d = Time Base M, S, H, D or X.

e = Turbine Housing A025, A050, A075, A100, A150, A200, B050, B075, B100, B150, B200, N025, N100, P050, P100, S025, S050, S075, S100, S150, S200, V025, V100, X025, X050, X075, X100, X150, X200, Z050, Z100, XXXX or 0000.

f = Fitting N, I, B, T, F, X or 0.

g = Packaging A1, A2, B1, B2, B3, C1, C2, C3, C4, D1, D2, J1, J2, K1, K2, K3, K4, K5, L1, L2, L3, L4, L5, XX or 00.

Model abcdefgh. Electronic Digital Meter.

a = Product Identifier: G2 or N2.

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d = Fitting Type: N, I, X, T or F.

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