



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 CSA 16.0018X Issue No: 0 Certificate history:
Issue No. 0 (2016-03-09)

Status: **Current** Page 1 of 4

Date of Issue: **2016-03-09**

Applicant: **Automation Products Group Inc.**
1025 West 1700 North
Logan, UT 84321
United States of America

Electrical Apparatus: **Float Level Sensor Model RPM-xxx-x-x-xx-xxx**
Optional accessory:

Type of Protection: **Ex ia**

Marking:
Ex ia IIB T3 Ga
Tamb: -40C to +85C

*Approved for issue on behalf of the IECEx
Certification Body:*

Dorin Stochitoiu

Position:

Technical Advisor

*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](http://www.iecex.com).

Certificate issued by:



IECEx Certificate of Conformity

Certificate No: IECEx CSA 16.0018X

Issue No: 0

Date of Issue: 2016-03-09

Page 2 of 4

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
and
8503 East Pleasant Valley Road,
Independence, Ohio, USA
44131-5516
Canada





IECEx Certificate of Conformity

Certificate No: IECEx CSA 16.0018X Issue No: 0
Date of Issue: 2016-03-09 Page 3 of 4
Manufacturer: **Automation Products Group Inc.**
1025 West 1700 North
Logan, UT 84321
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 electrical 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:

[CA/CSA/ExTR16.0018/00](#)

Quality Assessment Report:

[NL/DEK/QAR13.0027/01](#)



IECEx Certificate of Conformity

Certificate No: IECEx CSA 16.0018X

Issue No: 0

Date of Issue: 2016-03-09

Page 4 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Float Level Sensor Model RPM-xxx-x-x-xx-xxx is an intrinsically safe piece of apparatus used to convert the level of a liquid into a 4-20 mA signal or a change in resistance value when the probe is used in isolation.

Following Entity Parameters apply:

$U_i = 30V$

$I_i = 130mA$

$P_i = 1W$

$C_i = 3nF$

$L_i = 0mH$

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1) Parts of the enclosure are manufactured from aluminium. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation, particularly if the equipment is installed in a Zone 0 location.
- 2) Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. Because the non-conductive surface of the float may be charged by non-conductive media, it has to be assured that the media is electrostatically conductive. This is particularly important if the equipment is installed in a Zone 0 location. In addition, the equipment shall only be cleaned with a damp cloth.
- 3) The sensor tube shall be reliably connected to the potential equalizing system to ensure that it is not an isolated part.