- **IECEx Certificate of Conformity**

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 SIR 18.0048X

Issue No: 0

Certificate history:
Issue No. 0 (2018-08-03)

Status: **Current**

Page 1 of 3

Date of Issue: **2018-08-03**

Applicant: **Automation Products Group**
1025 West 1700 North
Logan
Utah 84321
United States of America

Equipment: **MNU-IS series sensors**
Optional accessory:

Type of Protection: **Intrinsically Safe**

Marking:
Ex ia IIB T4 Ga
Ta = -30°C to +60°C

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Deputy Certifiction Manager

Signature:
(for printed version)

Date: 2018-08-03

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:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

IECEx Certificate of Conformity

Certificate No: IECEx SIR 18.0048X Issue No: 0

Date of Issue: **2018-08-03** Page 2 of 3

Manufacturer: **Automation Products Group**
1025 West 1700 North
Logan
Utah 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 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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:

GB/SIR/ExTR18.0127/00

Quality Assessment Report:

NL/DEK/QAR13.0027/03

IECEx Certificate of Conformity

Certificate No: IECEx SIR 18.0048X Issue No: 0

Date of Issue: **2018-08-03** Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The MNU-IS series sensors utilizes standard Modbus RTU protocol (RS-485). The MNU-IS is designed to work as a slave device. The MNU-IS ultrasonic sensors transmit an ultrasonic sound pulse generated by a piezo ceramic transducer and waits for the echo to come back. The on board processor calculates the distance based on the time of flight of the return echo with respect to the speed of sound through air. The sensors provide non-contact measurements at distances from 1 to 40 feet. An on-board thermistor allows for temperature compensation. Information is communicated to the user via RS-485 Modbus RTU communications.

Refer to the Annexe for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. 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. In addition, the equipment shall only be cleaned with a damp cloth.

Annex:

IECEx SIR 18.0048X Issue 0 Annexe.pdf