



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 CSA 13.0004X**

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Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2018-07-20\)](#)

[Issue 1 \(2014-10-17\)](#)

[Issue 0 \(2013-03-08\)](#)

Date of Issue: 2026-08-19

Applicant: **Automation Products Group, Inc.**
1025 W 1700 N Logan
Utah, 84321
United States of America

Equipment: **4-20mA Pressure Transmitter (HU-L24, HU-1502SS, HU-1502I and HU-1502)**

Optional accessory:

Type of Protection: **Ex ia**

Marking: Ex ia IIB T4 Ga
Ex ia IIC T5...T4 Ga (Model HU-1502)
-40°C to 85°C
-40°C to 80°C (HU-1502)
-40°C to 45°C (HU-1502)
IP65/IP67

Approved for issue on behalf of the IECEx
Certification Body:

Dave Magee

Position:

Senior Director of Operations

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:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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Manufacturing locations: **Automation Products Group, Inc.**
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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

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:

CA/CSA/ExTR13.0004/00
CA/CSA/ExTR13.0004/03

CA/CSA/ExTR13.0004/01

CA/CSA/ExTR13.0004/02

Quality Assessment Report:

NL/DEK/QAR13.0027/08



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The HU-L24-IS-nnK-PSIS-Enn-Pnn-Knn-Bnn, HU-1502SS-Ln, and HU-1502I-Ln 4-20mA Pressure Transmitters consists of encapsulated electronics on two, separate printed circuit boards which connects to a silicon resistive strain gage arranged in a Wheatstone bridge configuration mounted in a two-part housing. The upper half of the housing has one of the two printed circuit boards, dedicated for EMI protection. The bottom half of the two part housing is comprised of the second printed circuit board (main electronics) and the strain gage element which are mounted on a thin walled section of the enclosure. The strain gage connects to the main board in the lower housing via a ribbon cable. There is no direct process connection between the pressure sensor and the external environment being measured. External electrical connections are made to the connector fitted at one end.

The equipment has the following safety description (Entity Parameters):

U_i = 28V
I_i = 110mA
P_i = 1W
C_i = 60.89 nF Li = 7.7mH

The HU-1502 4-20mA Pressure Transmitters consists of encapsulated electronics on a printed circuit board which connects to a silicon resistive strain gage arranged in a Wheatstone bridge configuration mounted in a two-part housing. The housing has the printed circuit board (main electronics and EMI Protection) and the strain gage element which are mounted on a thin walled section of the enclosure. The strain gage connects to the main board in the lower housing via a ribbon cable. The electronics are isolated from the process fluid by the pressure-containing metal barrier. External electrical connections are made to the connector fitted at one end.

The equipment has the following safety description:

U_i = 28 V
I_i = 110 mA
P_i = 0.77 W
C_i = 0 nF Li = 0 mH

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To maintain IP67/65 rating, the equipment shall be installed with a certified IP67/65 mating connector.
2. This device must be connected to an approved safety barrier.
3. The intrinsically safe circuit is not capable of withstanding a 500 V r.m.s. dielectric strength test to the enclosure as specified in IEC 60079-11, EN 60079-11, UL 60079-11, and CSA C22.2 No. 60079-11, Clause 6.3.13.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1 – this Issue introduced the following changes:

1. The change involves modification of the EMI board to add a common mode choke and protective circuitry to better protect the Hammer Union sensor against surges and fast transients. The Li parameter has been modified as a result. The customer also lowered the Ui value.

Issue 2 – this Issue introduced the following changes:

1. The change involves the addition of two new models, which are enclosure variants of the existing model. These two new models are denoted as the HU-1502SS and the HU-1502I. No electrical changes.

Issue 3 – this Issue introduced the following changes:

1. Add Model HU-1502 Hammer Union Pressure Sensor
2. Update IEC 60079-0 from Edition 6.0 to Edition 7.0
3. Add ambient rating for T5 temperature code to model HU-1502