



EU-TYPE EXAMINATION CERTIFICATE

Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

EU-Type Examination Certificate Number: **Sira 13ATEX2023X** Issue: **5**

Equipment: **HU-L24-IS-nnK-PSIS-Enn-Pnn-Knn-Bnn, HU-1502I, and HU-1502SS, and HU-1502 Pressure Transmitter**

Manufacturer: **Automation Products Group (APG) Inc**

Address: 1025 W 1700 N
Logan, Utah 84321
U.S.A

This product and any acceptable variation thereto, is specified in the schedule to this certificate and the documents therein referred to.

CSA Group Netherlands B.V., Notified Body No. 2813 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in item 16.2.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11:2012

Where additional criteria beyond those given here have been used, they are listed in item 18 in the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed in item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product, these are not covered by this certificate.

The marking of the product shall include the following (additional marking is provided in the Schedule as a part of item 15, if applicable):

**HU-L24-IS-nnK-PSIS-Enn-Pnn-Knn-Bnn,
HU-1502I, HU-1502SS**



II 1 G
Ex ia IIB T4 Ga
Ta = -40 C to +85 C

HU-1502



II 1 G
Ex ia IIC T5...T4 Ga
T5: Ta = -40 C to +45 C
T4: Ta = -40 C to +80 C

Signed: M Halliwell
Title: Senior Director of Operations
Date: 19 August 2026



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13

SCHEDULE

14

EU-Type Examination Certificate Number: Sira 13ATEX2023X

Issue: 5

15

Description:

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 at the external connector:

$U_i = 28 \text{ V}$ * $I_i = 110 \text{ mA}$ $P_i = 1 \text{ W}$ $C_i = 60.89 \text{ nF}$ $L_i = 7.7 \text{ mH}$ *

Model HU-1502

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:

$U_i = 28 \text{ V}$ $I_i = 110 \text{ mA}$ $P_i = 0.77 \text{ W}$ $C_i = 0 \text{ nF}$ $L_i = 0 \text{ mH}$

Variation 1 - This variation introduced the following changes:

- The modification of the EMI board to add a common mode choke was approved. The main PCB components have been unchanged.
- The following entity parameters were amended and the description changed accordingly:

Value	U_i	L_i
Previous	30 V	10.95 μH
New	28 V	7.7 mH

Variation 2 - This variation introduced the following changes:

- Removal of EN 60079-26:2007 from the list of standards.
- Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012 was replaced by EN 60079-0:2012/A11:2013.

Variation 3 - This variation introduced the following changes:

- The introduction of new models: HU-1502I and HU-1502SS which incorporate alternative enclosures were recognised. This resulted in the Product Description being updated, a Specific Condition of Use being introduced and therefore an 'X' suffix was added to the certificate number.
- Consolidation of schedule drawings.

Variation 4 - This variation introduced the following changes:

- Add Model HU-1502 Hammer Union Pressure Sensor



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- ii. Update EN 60079-0 to EN IEC 60079-0:2018
- iii. Add ambient rating for T5 temperature code to model HU-1502

16 **Drawings and documents:**

16.1 **Technical documents:**

Refer to Certificate Annex.

16.2 **Associated reports and certificate history:**

Issue	Date	Report number	Comment
0	21 February 2013	R29562A/00	The release of the prime certificate.
1	04 November 2014	R70010435A	The introduction of Variation 1.
2	19 February 2018	R70172887A	This Issue covers the following changes: EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i> The introduction of Variation 2.
3	23 July 2018	R70177691A	The introduction of Variation 3.
4	15 October 2019	0409	Transfer of certificate Sira 13ATEX2023 from Sira Certification Service to CSA Group Netherlands B.V..
5	19 August 2026	R80298502A	The introduction of Variation 4.

17 **Specific conditions of use** (denoted by "X" after the certificate number):

- 17.1 To maintain IP67/65 rating, the equipment shall be installed with a certified IP67/65 mating connector.
- 17.2 This device must be connected to an approved safety barrier.
- 17.3 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.

18 **Essential health and safety requirements of Annex II** (EHSRs):

The relevant EHSRs that are not addressed by the standards listed in item 9 of this certificate have been identified and conformity of the product demonstrated in the reports listed in item 16.2.

19 **Remarks and additional information:**

The use of this certificate is subject to the regulations applicable to holders of CSA Group Netherlands B.V. certificates.

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

19.1 **Conditions of manufacture:**

None



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Certificate Annexe

Document History

Issue – 0

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title
9002425*	1 of 1	B4	18 Feb 13	CSA / ATEX Label Drawing
9002416*	1 to 2	B1	18 Feb 13	CSA / ATEX Final Assembly Drawing
9002417*	1 of 2	B4	18 Feb 13	CSA / ATEX Outline and Model Configurator
9002119	1 to 14	L6	18 Feb 13	Hammer Union Schematic and Electronic Component Placement
9002460	1 of 1	B3	18 Feb 13	Intrinsically Safe Installation Drawing
9003710*	1 of 1	A	18 Feb 13	Base Assembly, Hammer Union

Issue – 1

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title

Issue – 2: No new drawings were introduced

Issue – 3

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title
9002119	1 to 14	L11	17 Jul 18	Hammer Union Schematic and Electronic Component Placement
9002460	1 to 1	D	17 Jul 18	Intrinsically Safe Installation Drawing
9005287	1 to 8	B	17 Jul 18	*CSA Descriptive Drawing: HU-1502-SS/I
9005398	1 to 7	A	17 Jul 18	*CSA Descriptive Drawing: HU-Ln-IS

*Note Drawing 9005398 replaces Drawings: 9002425, 9002416, 9002417 and 9003710.

Issue – 4: No new drawings were introduced

Issue – 5

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title
9006989	1 to 4	A	09 Jun 26	HU1502 PCA Overview
9006990	1 to 5	A	09 Jun 26	HU1502 Schematic
9006997	1 to 2	A	09 Jun 26	HU1502 Descriptive Drawing
9006998	1 of 1	A	09 Jun 26	HU1502 Hazardous Installation Drawing
9006999	1 of 1	A	09 Jun 26	HU1502 Label