[1]

EU-TYPE EXAMINATION CERTIFICATE

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

[3] EU-Type Examination Certificate Number: **DNV 24 ATEX 73822X** **Issue 0**

[4] Product: **Pressure and/or Temperature Transmitter Models 1**, 2**, and 3**, with or without Temperature Output**

[5] Manufacturer: **GP:50 Ltd.**

[6] Address: **2770 Long Road**
Grand Island, NY
14072 USA

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

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 of 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 confidential reports listed in item 16.

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

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

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

[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the “Specific Conditions of Use” listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to 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.

[12] The marking of the product shall include the following:

II 1 G **Ex ia IIC T5 Ga** **-40 °C ≤ Ta ≤ +85 °C**

Date of issue:
2025-02-05

NORSK AKKREDITERING
PROD 021

Ståle Sandstad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** DNV 24 ATEX 73822X Issue 0

[15] **Description of Product**

The Model 1**, 2**, and 3** are pressure/temperature transmitters constructed of a cylindrical stainless steel body with a pressure port/sensor assembly on one end and an electrical connection/wiring assembly on the other end. Electrical connections are made either via integral flying leads or via an integral connector. Pressure transmitter units may also include an optional RTD for measurement of temperature, which is considered as a separate electrical circuit from that of the pressure transmitter electronics.

Type designation

Model a XXX bb cc, where:

a =	Electrical Output Code	Single digit alphanumeric character as defined by GP:50 to identify the electrical output of the device: 1 = mV/V (for PT), Ω (for TT) 2 = Vdc 3 = 4 - 20 mA
XXX =	Base Product Model Code	Two or three digit code defined by GP:50 to identify the product type and configuration such as Pressure Transducer (PT), Temperature Transducer (TT), Dual Pressure & Temperature Transducer (PT/TT).
bb =	Product Approval Code	Two digit code as identified below which identifies the approval ratings for the device: AI = Intrinsically Safe Approved (ATEX / IEC) GI = Intrinsically Safe Approved (FM / CSA / ATEX / IEC)
cc =	Product Option Codes	May be a series of various 1 or 2 digit alphabetic and/or alphanumeric characters as defined by GP:50 to identify device options or modifications (i.e., Range, Accuracy, Pressure Port, Miscellaneous Options, etc) that do NOT affect product certification.

Electrical Data

	Ui	**Ii**	**Pi**	**Ci**	**Li**
Model 1 (PT)**	15V	100mA	0.7W	0nF	0mH
Model 1 (TT)**	28V	100mA	0.7W	0nF	0mH
Model 2**	28V	100mA	0.7W	37.2nF	0mH
Model 2 (Option NF)**	28V	100mA	0.7W	27.2nF	0mH
Model 3**	28V	100mA	0.7W	32.2nF	0mH

[16] **Report No**.: 2024-3159, Issue 00
Project No.: PRJC-65307-2008-PRC-USA

[17] **Specific Conditions of Use**

1. The equipment is not capable of passing the 500V dielectric test prescribed in EN 60079-11. This must be considered during installation of the equipment.

2. When the optional RTD is included, it shall be considered as a separate electrical circuit and shall be installed as such.

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

Products covered by this certificate also comply with IEC 60079-11:2023.

[19] **Drawings and documents**

Number	Title	Rev.	Date
A8AD-100.00	Approval Summary Document – ATEX / IEC Approval	-	2024-11-13
8C1-55.00	ATEX/IEC Intrinsic Safety, Models 37X AI/GI	C	2024-10-07
8C1-55.01	ATEX/IEC Intrinsic Safety, Models 3XX AI/GI	C	2024-10-07
8C1-69.00	ATEX/IEC Intrinsic Safety, Models 17X AI/GI	-	2015-04-16
8C1-69.01	ATEX/IEC Intrinsic Safety, Models 1XX AI/GI	-	2015-04-16
8C1-71.00	ATEX/IEC Intrinsic Safety, Models 27X AI/GI	A	2024-10-07
8C1-71.01	ATEX/IEC Intrinsic Safety, Models 2XX AI/GI	A	2024-10-07
8W9-52.00	PCBD, Signal Conditioning Board	A5	2017-03-24
8W9-53.00	PCBD, Bridge Amp Board, 2 Layer	A4	2017-03-13
8W9-57.00	PCBD, Intrinsic Safety Barrier, 2 Layer	-5	2017-03-10
8W9-93.105	PC Board, General Voltage, Power Board	C4	2017-05-25
8W9-94.105	PC Board, General Voltage, Signal Conditioning Board	C4	2017-05-25
8W9-96.10	PC Board, General Current, Signal Conditioning, PCB 1	C4	2017-05-25
8W9-97.10	PC Board, General Current, Signal Conditioning, PCB 2, V.1	E1	2017-05-25
8W9-97.20	PC Board, General Current, Signal Conditioning, Low Noise	B4	2017-05-25
8W9-99.00	PC Board, Zero & Span	D3	2017-05-25
1W9-105.00	PCBD, EMI/RFI Board	-5	2017-05-26

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue (previously DNV 07 ATEX 3697X)	2025-02-05	2024-3159, Issue 00

END OF CERTIFICATE