



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 DNV 07.0003X Issue No: 1 Certificate history:
Issue No. 1 (2015-10-09)
Status: **Current** Page 1 of 4 Issue No. 0 (2008-09-10)
Date of Issue: **2015-10-09**
Applicant: **GP:50 Ltd.**
2770 Long Road
Grand Island, NY 14072
United States of America
Electrical Apparatus: **Pressure and/or Temperature Transmitter Models 1st, 2nd, and 3rd**
Optional accessory: *with or without Temperature Output*
Type of Protection: **Intrinsic Safety (Ex ia)**
Marking:
Ex ia IIC T5 Ga
-40 °C ≤ T_a ≤ +85 °C

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

Position:

Certification Manager

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:

DNV
Det Norske Veritas (DNV) Certification AS
Veritasveien 1
1322 Hovik
Norway





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Manufacturer: **GP:50 Ltd.**
2770 Long Road
Grand Island, NY 14072
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:

NO/DNV/ExTR07.0004/00

NO/DNV/ExTR07.0004/01

NO/DNV/ExTR07.0004/02

Quality Assessment Report:

NO/DNV/QAR06.0006/04



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

Degree of Protection (IP Code): IP20 minimum

See Annex for type identification and electrical data.

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1) The equipment is not capable of passing the 500V dielectric test prescribed in IEC 60079-11: 2011 Clause 6.3.13. 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- 1) Addition of Models 1** and 2** and an alternate design for Model 3**
- 2) Update existing Model 3** design assessment to IEC 60079-0:2011 and IEC 60079-11:2011
- 3) Add allowance for an optional RTD to be included with the pressure transducers
- 4) Miscellaneous drawing changes not impacting safety

See Addendum in ExTR for more details on the above changes.

Annex:

[Annex to IECEx DNV 07.0003X Issue 1.pdf](#)

Type Identification

Model 1**alb, where:

- * = Various numeric characters completing the base model number
- a = Approval Code: A = ATEX and IECEx Intrinsic Safety
G = ATEX/IECEX/FM/CSA Intrinsic Safety
- b = Various alphabetic or alphanumeric characters representing product options/modifications that do not affect certification.

Model 2**alb, where:

- * = Various numeric characters completing the base model number
- a = Approval Code:
A = ATEX and IECEx Intrinsic Safety
G = ATEX/IECEX/FM/CSA Intrinsic Safety
- b = Various alphabetic or alphanumeric characters representing product options/modifications that do not affect certification.

Model 3**abc, where:

- * = Various numeric characters completing the base model number
- a = Various alphabetic or numeric characters completing model number for 4-20mA product
- b = Approval Code: A = ATEX and IECEx Intrinsic Safety
G = ATEX/IECEX/FM/CSA Intrinsic Safety
- c = Various alphabetic or alphanumeric characters representing product options/modifications that do not affect certification.

Electrical Data

	U_i	I_i	P_i	C_i	L_i
Model 1**	15V	100mA	0.7W	0nF	0mH
Model 2**	28V	100mA	0.7W	30nF	0mH
Model 2** (Option NF)	28V	100mA	0.7W	20nF	0mH
Model 3**	28V	100mA	0.7W	27.2nF	0mH
RTD (optional)	28V	100mA	0.7W	0nF	0mH