

EU TYPE-EXAMINATION CERTIFICATE

- 1. EU type-examination Certificate (Module B)
- 2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)

3. EU type examination certificate Nr ITS18ATEX13544X R.1

4. **Product:** XP10 Temperature and Pressure Transducers

5. **Manufacturer:** GP:50 **Applicant:** GP:50

6. Address: 2770 Long Road Address: 2770 Long Road

Grand Island, NY 14072 Grand Island, NY 14072

USA USA

7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.

8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 105321451CRT-002

- 9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN 60079-1:2014 except in respect of those requirements referred to at item 16 of the Schedule.
- 10. If the sign X is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.
- 11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. 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:

 $\langle x3 \rangle$

II 2 G Ex db IIC T4 to T6 Gb Tamb: -40°C to +76°C

27 June 2023

Certificate issue date

Todd L. Relyea Certification Officer Intertek Italia S.p.A. (NB 2575)

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PDR Nº 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.





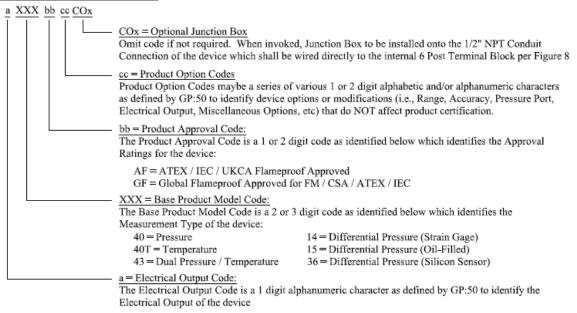
SCHEDULE

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

A series of pressure and temperature transducers housed in a stainless steel tubular enclosure. The process side is hermetically sealed with GTAW or LASER welded joints. The connection side is epoxy sealed and supplied with 18awg MTW wire flying leads or 18awg PVC insulated cable.

Model / Part Number Designation:



CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
Approval Summary Document ATEX/IECEx Flameproof Approval Ø1.00 Housing Can Enclosures (XP10)	A8AD-XP10.00	Α	6/17/2022
*Approval Summary Document ATEX/IECEx Flameproof Approval Ø1.00 Housing Can Enclosures (XP10)	A8AD-XP10.00	В	1/12/2023

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

15. SPECIFIC CONDITIONS OF USE

Flamepaths are not intended to be repaired.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant Essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 105321451CRT-002 dated 26.JAN.2023





SCHEDULE

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17. ROUTINE (FACTORY) TESTS

- Welded joints shall be routine tested per the requirements of EN 60079-1:2014, Clause 16.3 with a minimum overpressure of 1,302kPa for no less than 10 seconds. Batch testing per ISO 2859-1 is permitted. Equipment shall meet the acceptance criteria laid out in clause 16.5 of EN 60079-1:2014. Alternate routine non-destructive testing can also be employed per one of the following ISO methods
 - o radiographic weld inspection; or
 - o ultrasonic weld inspection; or
 - o magnetic particle weld inspection; or
 - o liquid penetrant weld inspection

18. **DETAIL OF CERTIFICATE CHANGES**

R.0 (June 2022)

- Initial release by Intertek Italia S.p.A. NB 2575 based on the assessment performed on June 2022 and on the certificate legal ownership transferred from Intertek Testing & Certification Ltd. (NB 0359); the same issued original certificate number is used,
- Update from IEC 60079-0:2011 to IEC 60079-0:2017,
- Drawing A8AD-XP10.00 revision level increases.

R.1 (June 2023)

• Change Markings: ATEX NB # From 2575 to 2460 and Add UKCA #: 8501