

UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS22UKEX0558X **Issue 01**
- Product:** XP10 Temperature and Pressure Transducers
- Manufacturer:** GP:50
- Address:** 2770 Long Road
Grand Island, NY 14072
USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 105321451CRT-002.

- 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 within item 14 of the Schedule.
- If the sign “X” is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations 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:

II 2 G



Ex db IIC T4 to T6 Gb

-40°C ≤ Ta ≤ +76°C

Certification Officer: _____



Todd L. Relyea

Date: _____

27 June 2023

SCHEDULE:

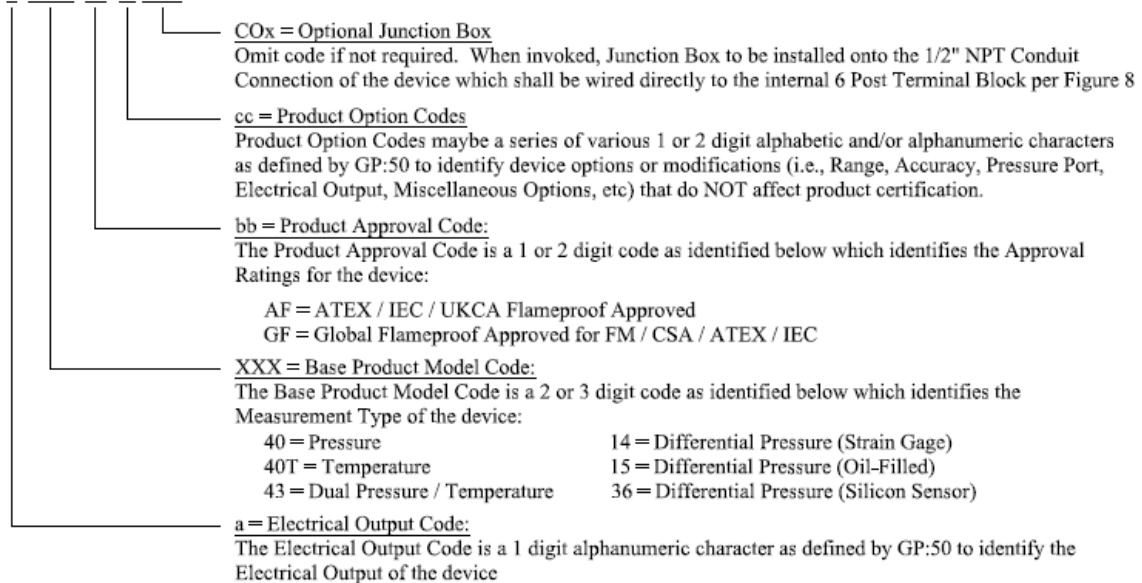
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11. Description of Product or Protective System

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:

a XXX bb cc COx



12. Report Number

Intertek Report: 105321451CRT-002 dated 26.JAN.2023

13. Special Conditions of Certification

(a). Special Conditions of Use

- Flamepaths are not intended to be repaired.

(b). Conditions of Manufacture - Routine 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

SCHEDULE:

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14. Essential Health and Safety Requirements (EHSRs)

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

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Approval Summary Document ATEX/IECEX Flameproof Approval Ø1.00 Housing Can Enclosures (XP10)	A8AD-XP10.00	A	6/17/2022
*Approval Summary Document ATEX/IECEX Flameproof Approval Ø1.00 Housing Can Enclosures (XP10)	A8AD-XP10.00	B	1/12/2023

16. Details of Certificate changes Issue 1

- **R.0 (June 2022)**
 - Update from IEC 60079-0:2011 to IEC 60079-0:2017,
 - Drawing A8AD-XP10.00 revision level increases.
- **R.1 (January 2023)**
 - Change Markings: ATEX NB # From 2575 to 2460 and Add UKCA #: 8501