

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** ITS03ATEX21062X R.0
4. **Product:** 4-387 Smart Series Pressure Transmitter
5. **Manufacturer:** Delta Mobrey Ltd. **Applicant:** Delta Mobrey Ltd.
6. **Address:** Hudson House, Albany Park, Camberley, GU16 7PL, UK **Address:** Hudson House, Albany Park, Camberley, GU16 7PL, UK
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. 104018768LHD-001, dated 31 January 2025.
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 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:



II1G	Ex ia IIC T4 Ga (for $-20^{\circ}\text{C} \leq T_a \leq +90^{\circ}\text{C}$) Ex ia IIC T5 Ga (for $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)
II1D	Ex ia IIIC T120°C (for $-20^{\circ}\text{C} \leq T_a \leq +90^{\circ}\text{C}$) Ex ia IIC T90°C Da (for $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)

Certificate issue date

05 February 2025

Richard Tunncliffe

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



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This certificate has been issued by Intertek Italia S.p.A. NB 2575 on transfer from Intertek Testing & Certification Ltd. (NB 0359) using the same issued original certificate number.



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.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The 4-387 Smart Series Pressure Transmitter is designed to produce a 4 to 20mA d.c. signal proportional to the pressure of a process fluid. The transmitter may be mechanically connected to the process system in a number of alternative ways.

The transmitter comprises discrete electronic components mounted on two or three printed circuit boards and a sputtered thin film or metal foil or semi-conductor strain gauge or a piezo-resistive silicon pressure sensor. The temperature compensated electronics circuits are mounted in a stainless-steel tubular enclosure which degree of protection of at least IP20 for gas and IP6X for Gas/Dust. The Pressure Transmitter may be supplied with terminals for external connections or supplied with an integral submersible cable outlet with cable bonded in. Entry by conduit or cable gland is by screwing into threaded holes.

Intrinsic safety is assured by limitation of voltage, current and power, limitation of capacitance, suppression of inductance and infallible segregation.

The maximum intrinsically safe input parameters are as follows:

$U_i = 28V$

$I_i = 200\text{ mA}$

$P_i = 1.0W$

The equivalent parameters are:

$C_i = 0.07\mu F$

$L_i = 4\mu H$

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
*ATEX Approval Drawing for 4-387 Smart Series Ex ia (sheet 1)	14718	G	10/05/2024
*ATEX Approval Drawing for 4-387 Smart Series Ex ia (sheet 2)	14718	G	13/05/2024
*ATEX-UKEX 4-387 Ex ia Marking	71097-38-001	A	10/05/2024
*Safety Instruction for Ex i "387" Series	71097-38-002	A	27/02/2024

Note: An * is included before the title of documents that are new or revised

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



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15. SPECIFIC CONDITIONS OF USE:

- The transmitter may not be capable of withstanding the 500 V insulation test required by clause 6.3.12 of EN 60079-11 and this must be taken into account when installing the apparatus (as per the original certificate).
- A conduit/cable gland or an integral cable when fitted to the transmitter must provide a degree of protection of at least IP6X.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant Essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 104018768LHD-001 dated 31 January 2025.

17. ROUTINE (FACTORY) TESTS

None.

18. DETAIL OF CERTIFICATE CHANGES

R.0 (05 February 2025)

- Initial release by Intertek Italia S.p.A. NB 2575 based on the assessment performed on 31 January 2025 and on the certificate legal ownership transferred from Intertek Testing & Certification Ltd. (NB 0359); the same issued original certificate number is used.
- Re-assessment of the 4-387 Smart Series Pressure Transmitter with the Essential Health and Safety Requirements (EHSRs) of the European Community Directive 2014/34/EU and latest harmonized standards:
 - EN IEC 60079-0:2018
 - EN 60079-11:2012.
- Change in the manufacturer company name from Delta Controls Ltd. to Delta Mobrey Ltd.
- Change in the company address from Riverside Business Part, Dogflud Way, Farnham, GU9 7SS to Hudson House, Albany Park, Camberley, GU16 7PL, UK.