EU-TYPE EXAMINATION

CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

1. **EU-Type Examination Certificate Number:** **ETL25ATEX0480X** **Issue 00**
2. **Product:** Methane Sensor
3. **Manufacturer:** Miltope Corporation
4. **Address:** 3800 Richardson Road S, Hope Hull, AL, 36043, USA
5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
6. Intertek Testing Services NA Ltd., Notified Body number 2903 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 of the Directive.
7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN IEC 60079-11:2024 except in respect of those requirements referred to within item 14 of the Schedule.
8. 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.
9. 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.
10. The marking of the product shall include the following:

II 1 G Ex ia IIA T4 Ga

-20°C ≤ Ta ≤ 50°C

Certification Officer: Hope Alm **Date:** 27 October 2025

[Document Control No. TF-CA.ATEX-OP-23a – May 13, 2021]

SCHEDULE:

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11. Description of Equipment or Protective System

The products covered by this report is product Methane Sensor Model IMM (Industrial Methane Monitor). It is designed for continuous monitoring of methane (CH4) concentration in the ambient air of indoor and outdoor industrial environments, providing leak detection and an infrastructure for emissions monitoring and/or reporting.

The unit is deployed in an integration with third-party monitoring platforms using an industry-standard communication interface. The product uses sensor fusion technology to provide reliable and accurate methane concentration measurements in an intrinsically safe design for hazardous environments.

It is fixed installation and meets for IP65 rating. The housing of the IMM is made of 6061 Aluminum alloy. No non-metallic material part except label which is made by polycarbonate.

The Main Board is fully potted and features two terminal blocks for external connections by suitably certified intrinsically safe barriers. No conformal coating is applied on this board.

The sensor board is connected to the main board via terminal J4 and a wiring assembly. Sensor board is not under potted. No conformal coating is applied on this board.

12. Report Number

Intertek Report: 106010904DAL-003 Issue: 00 Dated: 2025-10-24.

13. Special Conditions of Certification

(a). Special Conditions of Use

• For EPL Ga, the equipment contains Aluminium materials more than 10% of aluminium, magnesium, titanium and zirconium, and with more than 7.5% of magnesium, titanium and zirconium. Avoid an ignition hazard due to impact or friction.

(b). Conditions of Manufacture - Routine Tests

• EN IEC 60079-11 Ed.7 Clause 10.4

No damage shall be evident to the encapsulation, this includes but is not limited to;

- Cracks;
- non-homogeneous covering of the encapsulated or coated parts
- inadmissible shrinkage;
- swelling;
- decomposition;
- failure of adhesion (separation of any adhered parts) or flaking; and
- softening.

Alternate: Routine verification may be replaced by batch verification where there is confidence in the man-ufacturing process, in which case the following criteria based on ISO 2859-1 shall apply:

- For a production batch up to 100, a sampling of 8 shall be inspected with no failures

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- For a production batch from 101 to 1 000, a sampling of 32 shall be inspected with no failure
- For a production batch from 1 001 up to 10 000, a sampling of 80 shall be inspected with no failures
- Batches above 10 000 shall be subdivided into smaller batches
- If there are any non-compliant inspection results, 100 % of all remaining samples in the batch shall be inspected. Future batches shall be routinely inspected until confidence is established to reconsider batch verification.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 106010904DAL-003 Issue: 00 Dated: 2025-10-24.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
SCH,COMET IMM MAIN	720398	B1	04/10/2025
PCB, MAIN	720396	C	05/07/2025
PCBA, MAIN	720397	C1	08/06/2025
SCH, COMET SENSOR	720194	B1	04/10/2025
PCB, COMET SENSOR BOARD	720193	B1	04/10/2025
PCBA,COMET SENSOR BOARD	720192	B2	08/06/2025
TOP ASSY – COMET IMM	720188	C	08/05/2025
CCA, MAIN	720191	C1	10/13/2025
COVER ASSY, BOTTOM	720195	B	03/07/2025
CHASSIS	720199	A	10/16/2024
COVER, TOP	720200	A1	06/05/2025
MOLD, POTTING - TOP	720407	B	03/11/2025
MOLD, POTTING - BOT	720408	B	03/11/2025
FILTER, DISC	720427	B	03/07/2025
COVER, BOTTOM	720445	A	03/05/2025
CARRIER, FILTER	720446	A	03/05/2025
Operator’s Manual	720428	B	July 2025
LABEL, IDENTIFICATION	720423	B	03/12/2025
LABEL, CERTIFICATION	720424	C	8/14/2025