

1 **UNITED KINGDOM CONFORMITY ASSESSMENT**
2 **UK TYPE EXAMINATION CERTIFICATE**

3 **Product Intended for use in Potentially Explosive Atmospheres**
4 **UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

5 Type Examination Certificate Number: **ExVeritas 21UKEX0915X** Issue: **0**

6 Product: MK3 or B Gas Detector Head

7 Manufacturer: Oliver IGD Ltd. (International Gas Detectors)

8 Address: Triton House, Crosby St,
9 Stockport, SK2 6SH, UK

10 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

11 ExVeritas Limited Approved Body number 2585, 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 by UKSI 2019:696), 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.

12 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018

EN 60079-1:2014

EN 60079-31:2014

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This 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.

12 The marking of the equipment shall include the following:

 II 2 G Ex db IIC T6/T5 G T_{amb} -20°C to +40°C/+55°C

 II 2 D Ex tb IIIC T85°C/T100°C Db T_{amb} -20°C to +40°C/+55°C



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

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The status of this certificate can be verified at www.exveritas.com

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

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Schedule

13 Description of Product

The gas detector heads consist of stainless steel body, insert and sintered element. The body and insert are connected by a threaded flamepath. The insert can only be removed by a bespoke tool. In addition, the threaded flamepath is sealed with cement. The sintered element is cemented into the insert. The rear of the body incorporates a cemented bushing assembly, this facilitates the passage of flying leads from inside to outside the enclosure. The flying leads are to be terminated in a suitably certified enclosure. The gas detector heads have a maximum power dissipation of 1 W.

Ex db IIC T6 Gb
 Ex tb IIIC T85°C Db
 -20°C ≤ Tamb ≤ +40°C

Ex db IIC T5 Gb
 Ex tb IIIC T100°C Db
 -20°C ≤ Tamb ≤ +55°C

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3056/A/1	2021.06.18	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0

Title:	Drawing No.:	Rev. Level:	Date:
Pellistor Engraving Detail	3454001	8	14.06.21
MK3 & Type B pellistor Assy	5116101	2	2016.10.10

15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

- The free end of the permanently connected cable shall be protected in accordance with EN IEC 60079-0:2018 Clause 14.
- In accordance with EN 60079-1:2014 Annex C, the rear end of the bushing shall be protected by fitting into a suitably certified enclosure. In addition, the bushing shall not be subjected to torque during installation or operation.
- The product shall not be connected to portable equipment.
- The product shall be earthed in accordance with EN IEC 60079-0:2018 Clause 15 when fitted to a suitably certified enclosure.
- The flameproof joints employed in the equipment are not intended to be repaired.

Certificate: **ExVeritas 21UKEX0915X**

Issue **0**

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Schedule

15.2 Routine tests

- None

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the ExVeritas of any modifications to the design of the product described by this schedule.