

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 16ATEX0140X Issue: 3

4 Equipment: JB3/Tocsin 903

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

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

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

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN IEC 60079-0: 2018

EN 60079-1:2014

EN 60079-31:2014

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 EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. 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 Gb 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

Schedule

13 Description of Equipment or Protective System

The JB3 (also known as the Tocsin 903) is made up of a component certified Ex d enclosure with up to 2 approved gas detectors fitted into it. The component enclosure has either three M20 threaded entries, covered under certificate IECEx FTZU 12.0017U or five M20 entries covered under certificate IECEx FTZU 21.0002U. The enclosure can also be provided without a detector fitted. The enclosure has a threaded lid with the option of window being fitted.

Both internal and external earthing is provided.

Rating – 12-32VDC 2.5W MAX

13.1 Details of change

The following changes are introduced in issue 2 of the certificate:

- Re-assessment against EN IEC 60079-0:2018.
- Revise manufacturing address to reflect change of post code.
- Increase in maximum upper ambient to allow use at +55°C.
- Transfer of the certificate from ExVeritas UK, Notified Body number 2585 to ExVeritas Denmark, Notified Body number 2804. Certificate number remains unchanged.

The following changes are introduced in issue 3 of the certificate:

- Inclusion of 5 entry component enclosure, description revised accordingly.
- Consolidation of drawings.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
EVL0822/A/1	2016.05.27	1	Initial issue of the Prime Certificate
R3056/A/1	2021.06.18	2	Issue of the first variation, section 13.1 details.
R3834/A/1	2022.03.16	3	Issue of the second variation, section 13.1 details.

14.2 Compliance Drawings:

Title:	Drawing No.:	Rev. Level:	Date:
Typical 903 Labelling Drawing Sheet 1 of 2	903-LBL-001	5	09.06.21
Typical JB3 Labelling Drawing Sheet 2 of 2	JB3-LBL-001	5	09.06.21
JB3 903 Concept Drawing	903-1-002	6	13/01/2022

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Issue 3

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Schedule

15 Conditions of Certification

15.1 Special Conditions for Safe Use

- The enclosures can have a non-conductive coating applied and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.
- The flameproof joints employed in the equipment are not intended to be repaired.

15.2 Conditions for Use (Routine tests)

- None

16 Essential Health and Safety Requirements

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 Notified Body of any modifications to the design of the product described by this schedule.

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Issue 3

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