



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 16ATEX2362** Issue: **0**

4 Equipment: **Portable Toxic Gas Detector, Models: MOG 00* ***

5 Applicant: **Dräger Safety AG & Co KGaA**

6 Address: **Revalstr. 1
23560 Lübeck
Germany**

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

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012/A11:2013 EN 60079-11:2012

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



I M1
Ex ia I Ma
-40°C ≤ Ta ≤ +55°C



II 1G
Ex ia IIC T4 Ga
-40°C ≤ Ta ≤ +55°C



Project Number 70055573

N Jones
Certification Manager

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

**Sira 16ATEX2362
 Issue 0**

13 DESCRIPTION OF EQUIPMENT

The battery powered, handheld Gas Detector Series MOG 00** uses an electro-chemical sensor that is suitable for the detection of Toxic Gases and Oxygen. The measured gas concentration is being indicated on an LC-Display. Upon reaching programmable alarm thresholds, a visual, audible and vibrating alarm is activated. The devices comprise a single printed circuit board housed within a non-metallic enclosure. The printed circuit board is secured between the front and back half of the enclosure, which are fastened with screws. The device is powered by a single, 3.6 V battery (Draeger ref. LBT 01** - Drawing SE23762). A data link to external equipment is provided by an optical infrared communication interface. Additionally, an optional Bluetooth or Near Field Communication (NFC) module may be fitted.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	03 May 2017	R70055573A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 Under certain extreme circumstances, exposed plastic and unearthed metal parts of the enclosure may store an ignition-capable level of electrostatic charge.

15.2 Activities such as placing the device in a pocket or on a belt, operating the keypad or cleaning with a damp cloth, do not present a significant electrostatic risk. However, where a static-generating mechanism is identified, such as repeated brushing against clothing, then suitable precautions shall be taken, e.g. the use of anti-static clothing and footwear.

Note: An advisory warning exists on the label of MOG 00** as an alternative to the requirement for the "X" marking which refers the user to the Manual for ESD and safety protection.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

Certificate Annexe



Certificate Number: Sira 16ATEX2362
Equipment: Portable Toxic Gas Detector
Models: MOG 00**
Applicant: Dräger Safety AG & Co. KGaA

Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
SE20421	1 of 1	05	28 Apr 17	Passive EC XXS-Sensors
SE20442	1 of 1	02	28 Apr 17	Vibration Motor
SE20443	1 of 1	03	28 Apr 17	Buzzer
SE23760	1 of 1	02	28 Apr 17	MOG 00** Overall Assembly
SE23761	1 of 1	05	28 Apr 17	MOG 00** Block Schematic
SE23762	1 to 3	01	28 Apr 17	Battery LBT 01**
SE23763	1 of 1	05	28 Apr 17	MOG 00** Marking
SE23777	1 to 3	03	28 Apr 17	ASM PCB Main MOG 00**
SE23779	1 to 7	03	28 Apr 17	PCB Main MOG 00**
SE23780	1 to 4	02	28 Apr 17	SCH PCB Main MOG 00**
SE23852	1 to 2	02	28 Apr 17	Extract of (IFU) Instruction For Use, MOG 00**

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