



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: issue No.: Certificate history:

Status:

Date of Issue: Page 1 of 4

Applicant: **Dräger MSI GmbH**
Rohrstraße 32
58093 Hagen
Germany

Equipment: **Pump type GEP 02****
Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i"**

Marking: **Ex ia IIC T4 Ga**
Ex ia I Ma

Approved for issue on behalf of the IECEx
Certification Body:

Dr. F. Eickhoff

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

2017-02-03

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.



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Manufacturer: **Dräger MSI GmbH**
Rohrstraße 32
58093 Hagen
Germany

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition: 6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

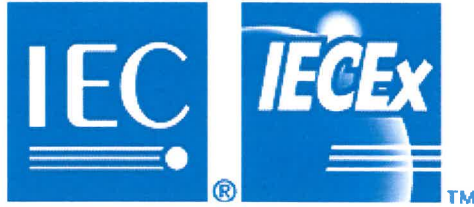
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/BVS/ExTR17.0005/00](#)

Quality Assessment Report:

[DE/BVS/QAR17.0002/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

The pump type GEP 02** is an additional feature for the portable gas detector type MQG 001* or type MQG 01** (IECEX BVS 10.0053X).

The pump is fixed with a spring clip at the portable gas detector.

There is no electrical connection between the pump and the portable gas detector.

The communication is realized via an infrared interface.

Mounting or unmounting of the pump can be done inside of the hazardous areas.

The pump GEP 02** is powered by an internal Li-Ion battery which has to be charged only outside of the hazardous area.

SPECIFIC CONDITIONS OF USE: NO



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EQUIPMENT(continued):

Ratings:

1 Power supply

Li-Ion Battery, nominal voltage 3.6 V, capacity 2500 mAh

Nominal charging voltage 5 V, $U_m = 250$ VAC, charging connector Micro USB (Type B)

2 Ambient temperature range: -20 °C up to +50 °C