



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.: IECEx BVS 17.0086

Issue No: 0

Certificate history:

[Issue No. 0 \(2017-12-06\)](#)

Status: **Current**

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Date of Issue: **2017-12-06**

Applicant: **Dräger Safety AG & Co. KGaA**
Revalstraße 1
23560 Lübeck
Germany

Equipment: **Powered Air-Purifying Respirator type APR 00****

Optional accessory:

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

Marking:

Ex ib IIB T4 Gb
Ex ib IIIB T135°C Db

*Approved for issue on behalf of the IECEx
Certification Body:*

Jörg Koch

Position:

Head of Certification Body

*Signature:
(for printed version)*

Date:

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](#).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **Dräger Safety AG & Co. KGaA**
Revalstraße 1
23560 Lübeck
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/ExTR17.0089/00](#)

Quality Assessment Report:

[DE/BVS/QAR06.0001/12](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

Powered Air-Purifying Respirator type APR 00**

The characters "**" in the model type designation may be replaced by any characters to distinguish between different models of the device (non Ex-relevant).

The Powered Air-Purifying Respirator is used to filter hazardous substances from the ambient air. Depending on the type of filter used it can protect against various gases, vapors and particles. A blower unit powered by a battery sucks ambient air through a filter and provides a constant flow of filtered air through a breathing hose to a headpiece.

The Powered Air-Purifying Respirator type APR 00** is powered by the Li-Ion "High Capacity Battery (EX)" or by the "Standard Capacity Battery (EX)" which have to be charged only outside of the hazardous area.

A battery change in hazardous area is allowed.

SPECIFIC CONDITIONS OF USE: NO



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EQUIPMENT (continued):

Ratings

Power supply "Li-Ion "High Capacity Battery (EX)"				
Nominal voltage			10.8	V
Nominal capacity			6700	mAh
Maximum charging voltage	U _m	DC	18	V
Power supply Li-Ion "Standard Capacity Battery (EX)"				
Nominal voltage			10.8	V
Nominal capacity			3350	mAh
Maximum charging voltage	U _m	DC	18	V
Bluetooth radio module				
Frequency			2.402 up to 2.480	GHz
Nominal RF output power	<		10	mW
Maximum RF output power	<		2	W
RFID radio module				
Frequency			13.56	MHz
Nominal RF output power	<		200	mW
Maximum RF output power	<		2	W
Ambient temperature range			$-10\text{ }^{\circ}\text{C} \leq T \leq +50\text{ }^{\circ}\text{C}$ a	