



# 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](http://www.iecex.com)

Certificate No.: IECEx BVS 10.0043X issue No.:2

Status: **Current**

Certificate history:  
Issue No. 2 (2012-5-2)  
Issue No. 1 (2011-3-25)  
Issue No. 0 (2010-5-18)

Date of Issue: 2012-05-02 Page 1 of 4

Applicant: **MSA Auer GmbH**  
Thiemannstrasse 1  
12059 Berlin  
Germany

Electrical Apparatus: **Gas detector type PrimaX I and PrimaX P**  
Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i", equipment protection level (EPL) Ga,  
Protection by intrinsic safety 'ID', Equipment protection by flameproof enclosures "d",  
Equipment dust ignition protection by enclosure 't'**

Marking: Ex ia IIC T4 Ga  
Ex ia IIIC T130 °C Db for PrimaX I  
Ex d ia [ia] IIC T4 Gb  
Ex tb ia [ia] IIIC T130°C Db for PrimaX P

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. F. Eickhoff

Position: Deputy Head of Certification Body

Signature:  
(for printed version)

Date: 2012-05-02

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**  
DEKRA EXAM GmbH



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Manufacturer: **MSA AUER GmbH**  
Thiemannstr. 1  
12059 Berlin  
Germany

Manufacturing location(s):  
**MSA (China) Safety  
Equipment Co., Ltd.**  
No. 8 Rui En Lane, Xingpu  
Road  
Suzhou Industrial Park,  
Jiangsu  
China

**MSA AUER GmbH**  
Thiemannstr. 1  
12059 Berlin  
Germany

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:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 61241-11 : 2005</b> Edition: 1	Electrical apparatus for use in the presence of combustible dusts - Part 11: Protection by intrinsic safety 'iD'

*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/ExTR10.0063/02](#)

Quality Assessment Report:

[DE/BVS/QAR06.0018/05](#)

[DE/BVS/QAR10.0012/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### General product information:

For type PrimaX I and type PrimaX P unchanged.

#### Ratings for Gas detector type PrimaX I and type PrimaX P:

Unchanged

#### Marking for Gas detector type PrimaX I, type PrimaX P, PrimaX Ex Sensor and PrimaX Ox-Tox Sensor:

Unchanged

CONDITIONS OF CERTIFICATION: YES as shown below:

#### Special conditions for safe use:

Unchanged for Gas detector type PrimaX I and type PrimaX P



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The electronics of the Gas detector type PrimaX I was slightly modified.

The electronics and the mechanical sensor design of the Gas detector type PrimaX P was slightly modified. Instead of the certified passive electrochemical sensors, the sensor MSA XCell™ XXX\* (IECEx FTZU 09.0024U) can be used in the Gas detector type PrimaX P. The sensor is mounted in the PrimaX Ox-Tox Sensor housing.