



# 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 FTZU 08.0004X issue No.:5

Status: **Current**

Date of Issue: **2013-02-19** Page 1 of 4

Applicant: **Emerson Process Management GmbH & Co. OHG**  
Industriestrasse 1  
D-63594 Hasselroth  
**Germany**

Certificate history:

[Issue No. 5 \(2013-2-19\)](#)  
[Issue No. 4 \(2012-10-4\)](#)  
[Issue No. 3 \(2012-9-13\)](#)  
[Issue No. 2 \(2012-1-31\)](#)  
[Issue No. 1 \(2009-5-4\)](#)  
[Issue No. 0 \(2008-4-14\)](#)

Electrical Apparatus: **Flameproof Gas Analyzer X-STREAM X2FD and X-STREAM XEFD**  
*Optional accessory:*

Type of Protection: **Flameproof enclosure**

Marking: II 2G Ex d IIB + H2 T4 Gb

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

Dipl. Ing. Lukáš Martinák

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

Certificate issued by:

**Fyzikálne technický zkusební ústav  
(Physical -Technical Testing Institute)  
Pikartská 7  
71607 Ostrava - Radvanice  
Czech Republic**





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Manufacturer:

**Emerson Process Management GmbH & Co. OHG**  
Industriestrasse 1  
D-63594 Hasselroth  
**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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5

**IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition: 6

*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:

[CZ/FTZU/ExTR08.0004/00](#)

[CZ/FTZU/ExTR08.0004/03](#)

[CZ/FTZU/ExTR08.0004/01](#)

[CZ/FTZU/ExTR08.0004/04](#)

[CZ/FTZU/ExTR08.0004/02](#)

##### Quality Assessment Report:

[DE/TUR/QAR09.0008/01](#)



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## Schedule

### EQUIPMENT:

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

X-STREAM series gas analyzers are intended to be used as analyzers for industrial purposes. Analyzer types X-STREAM X2FD and X-STREAM XEFD is designed with flameproof enclosure and consists of enclosure body and cover with sight glass. The body and cover are made of Al alloy and fastened by bolts. There are six threaded inserts in the enclosure cover providing passage of control rods. The enclosure has four threaded holes for cable glands or plugs and eight threaded holes for flame arresters or their closing devices.

The instruction manual see documents No. HASXMDE-IM-EX 01/2012 and HASXEDE-IM-EX 01/2012.

### CONDITIONS OF CERTIFICATION: YES as shown below:

Special conditions for safe use including dimensions of flame proof gaps are specified at the chapter 1.5.1 of the instruction manuals of the manufacturer No. HASXMDE-IM-EX 01/2012 and HASXEDE-IM-EX 01/2012.

Appropriate certified cable glands shall be used in accordance with IEC 60079-14.



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

Issue 5:

Alternatively use of new cast material of enclosure.

Rest of technical parameters and construction parameters of equipment remain unchanged. Manufacturer documentation:

Drawing No.

4.271-6957/1e 12.12.2012

4.271-6974/1c 12.12.2012