



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 09.0044 issue No.:0 Certificate history:

Status: Current

Date of Issue: 2009-08-07 Page 1 of 3

Applicant: **KOBOLD Messring GmbH**
Nordring 22-24
65719 Hofheim/Ts.
Germany

Electrical Apparatus: Flow control device type PS*-.** *** **
Optional accessory:

Type of Protection: Intrinsic safety 'i'; Equipment with equipment protection level (EPL) Ga; Intrinsic safety 'id'

Marking: Ex ia I Ma
Ex ia IIC T4/T3 Ga
Ex ia IIC IP6x T110 °C / 150 °C Da

Approved for issue on behalf of the IECEx
Certification Body:

Dr. F. Eickhoff

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

2009-08-07

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
DEKRA EXAM GmbH



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Manufacturer: **KOBOLD Messring GmbH**
Nordring 22-24
65719 Hofheim/Ts.
Germany

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 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-11 : 2005 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/ExTR09.0038/00

Quality Assessment Report:

DE/BVS/QAR09.0001/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information

Paddle Flow Monitor type PS^{***}

Instead of the *** in the complete denomination letters and numerals will be inserted which characterize modifications.

Description

The flow monitor, which is used as "Simple apparatus" in intrinsically safe circuits resp. as "accessory" in Group I intrinsically safe systems, is used for detection of fluid flow and comprises only components which do not effect intrinsic safety.

The flow monitor consists of a metal enclosure, in which a reed contact is completely encapsulated. This reed contact will be operated by a permanent magnet which is mounted on a paddle; this paddle will be moved by the flow medium. The electrical connection is carried out by a permanently connected cable. For Zone 0 application this cable must be mounted in a way that electrostatic discharge is not possible.

Parameters

Switched voltage	Ui	AC/DC	60 V
Switched current	Ii		2 A
Switched power	Pi	40W / 20VA	
Ambient temperature range TA			
for type PS ^{***}			-20 °C up to +110 °C
for all other types			-20 °C up to +70 °C
Internal capacitance	CI	negligible	
Internal inductance	LI	negligible	

CONDITIONS OF CERTIFICATION: NO

