

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 07.0005 issue No.:1

Certificate history:
Issue No. 1 (2008-8-14)
Issue No. 0 (2007-3-28)

Status: **Current**

Date of Issue: 2008-08-14 Page 1 of 4

Applicant: **Ing.-Büro JANSEN GmbH**
Porschestrasse 1
63512 Hainburg
Germany

Electrical Apparatus: **Pressure Transmitter type DMG/****I*******
Optional accessory:

Type of Protection: **Intrinsic safety "i"**

Marking: **Ex ia I**

Approved for issue on behalf of the IECEx
Certification Body:

Dr. R. Jockers

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

14.08.2008

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: **Ing.-Büro JANSEN GmbH**
Porschestrasse 1
63512 Hainburg
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 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition: 4.0
- IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 5

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/ExTR07.0005/00
DE/BVS/ExTR07.0005/01

Quality Assessment Report:

DE/BVS/QAR07.0003/00
DE/BVS/QAR07.0003/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Rating

Pressure Transmitter type DMG/**I*****

Supply and signal circuit

(intended for interconnection to an IS 4 - 20 mA current loop)

Voltage U_i DC 18 V; $I_i = I_o$; $P_i = P_o$

or alternatively

Voltage U_i DC 26.7 V; $P_i = 1.9$ W, $I_i = I_o$

Current (I_i) and Power (P_i) not relevant due to internal limitation

Effective internal capacitance / inductance:

Versions with connectors: type DMG/**P/M/H//BI*****

Effective internal capacitance: C_i negligible

Effective internal inductance: L_i negligible

Version with permanently connected cable: type DMG/**FI*****

Capacitance per unit length C_i 300 pF/m

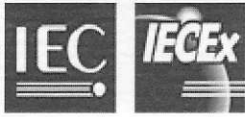
Inductance per unit length L_i 1 μ H/m

Type Code

See Annex

CONDITIONS OF CERTIFICATION: NO





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

The Pressure Transmitters type DMG/***** may be supplied with $U_i = DC 26.7 V$, $P_i = 1.9 W$ alternatively to $U_i = DC 18 V$.

$P_i = P_o$; $I_i = I_o$: due to internal current limiting devices, values of P_i and I_i referring to $U_i = DC 18 V$ and I_i referring to $U_i = DC 26.7 V$ need not be specified and may be set equal to P_o and I_o of the supplying certified IS power source.