

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

ANZEx Scheme

Certificate of Conformity

Certificate No: **ANZEx 07.2004** Issue: **0 7 December 2007** Original Issue

Certificate Holder: **Ing.-Büro JANSEN GmbH**
Porschestr. 1
D-63512 Hainburg (Hessen)
GERMANY

Electrical Equipment: **Pressure Measuring Device Type DMG/***|*******

Type of Protection and Marking Code: **Ex ia I IP54 -20°C ≤ Ta ≤ 60°C**
ANZEx 07.2004

Manufactured by: **Ing.-Büro JANSEN GmbH**
Porschestr. 1
D-63512 Hainburg (Hessen)
GERMANY

The certification database located at <http://www.anzex.com.au> shows the currency of this certificate.

Issued by:



Simtars
Queensland Government
A business unit of the Department of
Mines and Energy

Engineering, Testing and Certification Centre
2 Smith Street, REDBANK QLD 4301, Australia
Postal Address: PO Box 467, GOODNA QLD 4300, Australia
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366



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This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand P-008 Ex Mark Management Committee Publication MP87.

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**

IEC 60079-11: 2006 **Explosive atmospheres
Part 11: Equipment protection by intrinsic safety "i"**

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

The equipment listed has successfully met the examination and test requirements as recorded in

Test Report No. and Issuing Body: **DE/BVS/ExTR07.0005/00, EXAM DEKRA**

Quality Assessment Report No.: **DE/BVS/QAR/ZQS/E236/07, EXAM DEKRA**

File Reference: **07/0161**



Signed for and on behalf of issuing authority

**Principal Engineer - Certification
Engineering, Testing and Certification Centre**

Position

7 December 2007

Date of issue

This certificate and schedule may not be reproduced except in full.

This certificate is not transferable, remains the property of the issuing body and must be returned in the event of its being revoked or not renewed.

Certificate No: ANZEx 07.2004 Issue: 0

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Schedule

Equipment:

The Pressure Measuring Device Type DMG/****|***** transfers data to an Intrinsically Safe 4 - 20 mA current loop. The equipment may be supplied with a permanently connected cable or have a plug and socket arrangement. The apparatus comes in two variations as follows:

- Cylindrical stainless steel enclosure fitted with process connection in the bottom, electrical connection on the side and optionally fitted with a glass inspection window in the cover above the internal loop powered LCD module,
- Tubular stainless steel enclosure with process connection and electrical connection arranged axially; no display provided.

Coding for the Type designation is shown on Page 4 of this certificate.

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Type Code:

Pressure Transmitter		type DMG/
Variation			
Hardware	H		
Display			
Version with LCD-display	L		
Version without display	O		
Electrical connection			
Connector type BS04D	B		
Connector type G4A1M	I		
Connector type CA3GS/-LD	C		
Socket type BN4160	P		
Connector type ME 2A 10	M		
Connector type SSK24M	H		
Screened cable with open leads	F		
Signal output			
2-wire 4 - 20 mA current loop	I		
Process connection			
G1/4A	4		
G1/2A	2		
G1A	1		
plug-in-O, NW10	0		
Location of electrical connection			
axial	A		
aside	S		
Membrane			
front side	F		
internal	I		
external sensor	A		
Connection for external sensor	X		
Pressure range			

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Drawings:

Drawing No.	Drawing Title	Revision No.	Drawn/ Revision Date
B-7-DMG-DO 00 Sheets 1 to 4 of 4	Pressure Measuring device/ Druckmeßgerät Typ/ Type: DMG/...I...	-	12.2.07
B-7-DMG/ ...-GZ 00 2 sheets	Pressure measuring device DMG/ ...	-	12.02.07
B-7-DMG/ ...-GZ 03	Pressure measuring device DMG/HOxI2Al	-	12.02.07
B-2-MGS-EZ 00	Mechanical connection versions for DMG/ ..., TMG/ ..., DDG/ ..., DFMG/ ...	-	17.07.02
B-7-DMG-EZ 01	Typenschild Type plate	A	3.12.07
B-2-MGS-STR 03 2 sheets	Schaltplan/ circuit MGS-P2D/HOFI	-	17.7.02
B-2-MGS-STR 03.1	Measuring indication for DMG/HLxixx DDG/HLxixx	-	17.07.02
B-2-MGS-LBS 03	Component side MGS-P2D/HOFI	-	17.7.02
B-2-MGS-LLS 03	Lötseite/ Solder side MGS-P2D/HOFI	-	17.7.02
B-2-MGS-STK 03	Stückliste/ part list MGS-P2D/HOFI	-	17.7.02
B-2-DMG-EZ 00	Sensor PR-9, PA-9, PR-10, PA-10	-	17.07.02
B-2-DMG-EZ 01	Sensor CERACORE	-	17.07.02
B-2-DMG-EZ 03	Loop-powered Display DMS-20LCD-4/20	-	17.07.02
- 2 sheets	Pressure measuring device (2-conductor-technology) DMG? ***I** In comply with IECEx	-	07/08

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Additional Information:

Entity parameters associated with the apparatus are as follows:

Apparatus	U_i (V)	C_j (pF/m)	L_i (μ H/m)
Type DMG/**F** (Version supplied with a permanent cable)	18	300	1
Type DMG/**B/I/C/P/M/HI** (Version with connector)	18	0	0

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