

# CERTIFICATE OF ACCREDITATION

*In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-*

**DJN METGAUGE CC**  
**Co. reg no: 2003/082314/23**  
**TRADING AS**  
**METGAUGE**

Facility Accreditation Number: **010**

is a South African National Accreditation System accredited Calibration laboratory  
provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation,  
Annexure "A", bearing the above accreditation number for

## **DIMENSIONAL METROLOGY**

*The facility is accredited in accordance with the recognised International Standard*

**ISO/IEC 17025:2005**

*The accreditation demonstrates technical competency for a defined scope and the operation of a  
laboratory quality management system*

While this certificate remains valid, the Accredited Facility named above is authorised to  
use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

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**Mr R Josias**  
**Acting Chief Executive Officer**

**Effective Date: 31 January 2008**  
**Certificate Expires: 31 January 2013**

ANNEXURE A

**SCHEDULE OF ACCREDITATION**

DIMENSIONAL METROLOGY

Laboratory Accreditation Number: 010

<p><b><u>Permanent Address of Laboratory:</u></b>                  DJN Metgauge cc                  T/A Metgauge                  Medgate Medical Centre                  Unit No 8                  Kingfisher Street                  Roodepoort</p> <p><b><u>Postal Address:</u></b>                  P O Box 6646                  Westgate                  1734</p> <p>Tel : (011) 768-4270                  : (011) 768-3325                  Fax : (011) 768-3653                  E-mail: <a href="mailto:info@metgauge.co.za">info@metgauge.co.za</a></p>		<p><b><u>Technical Signatory</u></b> : Mr J Bruwer</p> <p><b><u>Nominated Representative</u></b> : Mr J Bruwer</p> <p>Issue No. : 08                  Date of issue : 09 November 2009                  Expiry date : 31 January 2013</p>	
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )
1.	LENGTH AND ANGLE STANDARDS		
1.1	External cylindrical standards	1 mm up to 50 mm Above 50 mm up to 100 mm Above 100 mm up to 150 mm Above 150 mm up to 200 mm	0,5 $\mu$ m 0,8 $\mu$ m 1,0 $\mu$ m 1,2 $\mu$ m
1.2	Internal cylindrical standards (Setting rings)	3 mm to 6mm Above 6 mm up to 25 mm Above 25 mm up to 50 mm Above 50 mm up to 100 mm Above 100 mm up to 150 mm Above 150 mm up to 300 mm	1,5 $\mu$ m 0,5 $\mu$ m 0,8 $\mu$ m 1,0 $\mu$ m 1,5 $\mu$ m 2,5 $\mu$ m
1.3	Gauge blocks and accessories Similar material	Up to 10 mm Above 10 mm up to 25 mm 30mm, 40 mm, 50 mm 60mm, 70mm, 75 mm 80mm, 90 mm, 100 mm	0,14 $\mu$ m 0,16 $\mu$ m 0,21 $\mu$ m 0,29 $\mu$ m 0,37 $\mu$ m

Original date of accreditation: 1987

Page 1 of 3

The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor  $k = 2$ , corresponding to a coverage probability of 95%

**Field Manager**

## ANNEXURE A

Laboratory Accreditation Number: 010  
Date of Issue: 09 November 2009  
Expiry Date: 31 January 2013

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )
1.8	Long series gauge blocks/length bars	125 mm 150 mm 175 mm 200 mm 250 mm 300 mm 400 mm 500 mm	0,34 $\mu$ m 0,35 $\mu$ m 0,36 $\mu$ m 0,37 $\mu$ m 0,39 $\mu$ m 0,42 $\mu$ m 0,48 $\mu$ m 0,56 $\mu$ m
2.	<b>LIMIT GAUGES</b>		
2.1	Plain plug gauges	1 mm up to 50 mm Above 50 mm up to 100 mm Above 100 mm up to 150 mm Above 150 mm up to 200 mm	0,5 $\mu$ m 0,8 $\mu$ m 1,0 $\mu$ m 1,2 $\mu$ m
2.2	Plain ring gauges	3 mm to 6 mm Above 6 mm up to 25 mm Above 25 mm up to 50 mm Above 50 mm up to 100 mm Above 100 mm up to 150 mm Above 150 mm up to 300 mm	1,5 $\mu$ m 0,5 $\mu$ m 0,8 $\mu$ m 1,0 $\mu$ m 1,5 $\mu$ m 2,5 $\mu$ m
2.6	Parallel screw plug gauges (Set plugs/screw check plugs)	2 mm up to 50 mm Above 50 mm up to 100 mm Above 100 mm up to 200 mm Above 200 mm up to 225 mm	3,0 $\mu$ m 4,0 $\mu$ m 5,0 $\mu$ m 8,0 $\mu$ m
2.7	Parallel screw ring gauges	6 mm up to 100 mm Above 100 mm up to 150 mm Above 150 mm up to 300 mm	5,0 $\mu$ m 6,0 $\mu$ m 8,0 $\mu$ m
2.9	Taper screw plug gauges	2 mm up to 100 mm Above 100 mm up to 225 mm	4,0 $\mu$ m 8,0 $\mu$ m
2.10	Taper screw ring gauges	6 mm up to 150 mm Above 150 mm up to 300 mm	7,0 $\mu$ m 10,0 $\mu$ m

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Page 2 of 3

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**Field Manager**

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3.	<b>ENGINEERING METROLOGY EQUIPMENT</b>		
3.1	Surface tables	Up to 3 000 mm	4 $\mu$ m/m
3.7	Precision spirit levels		2 $\mu$ m/m
3.15	External Micrometers	0 to 25 mm Above 25 up to 100 mm Above 100 up to 300 mm	2,0 $\mu$ m 3,0 $\mu$ m 4,0 $\mu$ m
3.16	Internal micrometers	25 mm up to 50 mm Above 50 up to 500 mm	2,0 $\mu$ m 4,0 $\mu$ m
3.17	Micrometer height and depth gauges (Depth micrometers/height micrometers) Depth Mic	0 – 150 mm Above 150 up to 300 mm	2,0 $\mu$ m 3,0 $\mu$ m
3.18	Electronic indicators  Dial gauges	Up to 30 mm	1,0 $\mu$ m
3.20	Electronic and vernier callipers	Up to 1 000 mm	[10 + (30 x length in m)] $\mu$ m
3.21	Electronic and vernier height and depth gauges Height	Up to 1 000 mm	[10 + (30x length in m)] $\mu$ m
5.	<b>PRECISION INSTRUMENTS</b>		
5.9	Precision projection equipment	Up to 1 000 mm screen	10 $\mu$ m

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Page 3 of 3

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

**Field Manager**