

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:-

HJR MICROPTIC CC
Co. Reg. No.: 1989/032363/23
PRESSURE CALIBRATION LABORATORY

Accreditation Number: **CAL 022-02-00**

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 scope of accreditation
Annexure "A", bearing the above accreditation number for

PRESSURE METROLOGY

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

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

Mr F Osman
Acting Chief Executive Officer

Effective Date: 20 June 2025
Certificate Expires: 31 August 2029

ANNEXURE A

SCOPE OF ACCREDITATION

PRESSURE METROLOGY

Accreditation Number: CAL 022-02-00

Permanent Address of Laboratory: HJR Microptic CC Pressure Calibration Laboratory 593 Smook Street Roseville Pretoria 0031		Technical Signatory: Mr H van Deventer		
Postal Address: PO Box 31230 Wonderboompoort 0033 Tel: (012) 335-6663/4 Fax: (012) 335-6665 E-mail: microptic@mweb.co.za jacques@microptic.net		Nominated Representative: Mr H van Deventer Issue No.: 13 Date of Issue: 20 June 2025 Expiry Date: 31 August 2029		

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ($\pm$)	METHOD / PROCEDURE
3.2	Gauge Pressure			
3.2.1	Gas Medium - Pressure Gauge - Pressure Transducer	- 80 kPa to 0 kPa 0 kPa to 5 kPa 5 kPa to 25 kPa 25 kPa to 300 kPa 300 kPa to 1 000 kPa 1 000 kPa to 4 000 kPa 4 000 kPa to 10 000 kPa 10 MPa to 40 MPa	0,85 kPa 0,03 kPa 0,04 kPa 0,80 kPa 3,0 kPa 7,0 kPa 12 kPa 58 kPa	Calibration against a reference pressure transducer or gauge.
3.2.2	Liquid Medium - Pressure Gauge - Pressure Transducer - Pressure Balance	0 kPa to 5 kPa 5 kPa to 400 kPa 400 kPa to 1 000 kPa 1 000 kPa to 4 000 kPa 4 000 kPa to 10 000 kPa 10 MPa to 40 MPa 40 MPa to 60 MPa	0,03 kPa 0,80 kPa 3,0 kPa 5,0 kPa 11 kPa 43 kPa 230 kPa	Calibration using a pressure balance or calibration against a reference pressure transducer or gauge.
4	On-site calibration for item 3.2 above			

Original Date of Accreditation: 01 May 2001

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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 confidence level of approximately 95%

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager