



Vijay Instrument LLP
A-202 Arihant Supermarket, Opp SBI Lalbaug,
Manjalpur, Vadodara – 390011
Email: calibration@vijayenterprises.in
Contact: +91-7041380818



CC-2695

TRUE COPY

Calibration Certificate

FF – 24		Page 1	
Certificate No	: VILLP/25-26/M-0691	Date of Calibration	: 21.06.2025
ULR No.	: CC269525000000691F	Recommended Due Date	: 21.06.2026
		Date of Issue	: 30.06.2025
Customer Details : NCQC Laboratory LLP 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Iskon-Bopal Road, Ambli, Ahmedabad – 380 058.		Calibrated at : Mechanical Lab Discipline : Mechanical Calibration Group : Pressure Indicating Device SRF Date : 21.06.2025 Cond. On Receipt : Satisfactory SRF No. : VILLP/S-398/25-26	
Test Instrument : Digital Compound Gauge Model : MGA N32-2 Range : -1 to 2 bar Least Count : 0.0001 bar Accuracy : +/- 0.05%FS		Serial No. : NVEM1806033 ID No. : NCQC/M-145 Make : Vijay Enterprises	
Details of Standard Used : Dead Weight Tester (Pneumatic) Name/Make : Fluke Calibration Phoenix Traceability : Godrej, Mumbai.		Sr. No./Certi.No. : 71759 / M-200826-09-1/A Range : -20 mmHg to -760mmHg Valid Up to : 0.2kg/cm2 to 35kg/cm2 26.08.2025	
Work Instruction No : CP - 01		Standard Used : DKD-R-6-1 ISO-GUM-1995	
Environment Details Temperature : (23 +/- 1.5)°C		Relative Humidity : (40 - 70)%	

Remarks

- The reported Expanded Uncertainty is calculated at 95% C.L. with Coverage Factor $k=2$.
- Readings are taken in kg/cm2 (PRESSURE) & mmHg (VACUUM)
- CONVERSION :-
1 kg/cm2 = 0.98067 bar
1 mmHg = 0.00133 bar
- Test reading is corrected for Local gravity and temperature.
- Local gravity = 9.78763363 m/s² Uncertainty = 50 ppm

Calibrated By: Harshvardhan Kumar
Lab Engineer

Approved By:
Technical Manager / Siddharth Patil (CEO)

SIDDHARTH VIJAY PATIL
Digitally signed by
SIDDHARTH VIJAY PATIL
Date: 2025.06.30
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NCQC LABORATORY LLP
Valid up to 21-06-2026
Reviewed [Signature]

NCQC System Certificate No. 298



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ULR No. : CC26952500000691F

Calibration Results

Sr. No.	Standard DWT Read.	Test Reading						Mean Value	Deviation	Deviation Allowed +/-	Repeatability	Hysteresis	Uncertainty +/-
		Up	Down	Up	Down	Up	Down						
		bar	bar	bar	bar	bar	bar						
1	-0.98658	-0.9871	-0.9870	-0.9870	-0.9871	-0.9871	-0.9870	-0.98705	-0.00047	0.00150	0.00010	0.00010	0.00020
2	-0.89326	-0.8937	-0.8935	-0.8935	-0.8937	-0.8935	-0.8937	-0.89360	-0.00034	0.00150	0.00020	0.00020	0.00029
3	-0.78660	-0.7869	-0.7867	-0.7869	-0.7869	-0.7867	-0.7869	-0.78683	-0.00023	0.00150	0.00020	0.00013	0.00023
4	-0.58662	-0.5868	-0.5869	-0.5869	-0.5868	-0.5869	-0.5868	-0.58685	-0.00023	0.00150	0.00010	0.00010	0.00019
5	-0.39997	-0.4002	-0.4001	-0.4001	-0.4002	-0.4002	-0.4001	-0.40015	-0.00018	0.00150	0.00010	0.00010	0.00018
6	-0.29331	-0.2934	-0.2936	-0.2936	-0.2934	-0.2934	-0.2936	-0.29350	-0.00019	0.00150	0.00020	0.00020	0.00020
7	-0.19998	-0.2000	-0.2001	-0.2001	-0.2000	-0.2000	-0.2001	-0.20005	-0.00007	0.00150	0.00010	0.00010	0.00018
8	-0.09333	-0.0935	-0.0933	-0.0933	-0.0935	-0.0935	-0.0933	-0.09340	-0.00007	0.00150	0.00020	0.00020	0.00028
9	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000	0.00000	0.00150	0.00000	0.00000	0.00013

All reading are taken in mmHg at the time of calibration and converted to bar.

SIDDHARTH VIJAY PATIL Digitally signed by
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Date: 2025.06.30
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Calibrated By: Harshvardhan Kumar
Lab Engineer

Approved By:
Technical Manager / Siddharth Patil (CEO)

Note :

- The above results are without any adjustment / repair.
- This certificate of above calibrated instrument should be use for scientific and industrial purpose only.
- Equipment used for calibration are calibrated & traceable to National & International Standards.
- The calibration results reported are valid at the time of and under stated conditions of the measurements.
- This certificate refers only to particular Items submitted for calibration. The certificate should not be reproduce exact full without the prior permission from CEO or Technical Manager.
- VILLP is not liable for any change in calibration data & performance specification on account of malfunctioning of Standards/Instruments/Equipment covered by this certificate due to damage caused to it after issuance of this certificate.



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		Up	Down	Up	Down	Up	Down						
		bar	bar	bar	bar	bar	bar						
1	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000	0.00000	0.00150	0.00000	0.00000	0.00013
2	0.19613	0.1961	0.1962	0.1963	0.1962	0.1962	0.1963	0.19622	0.00009	0.00150	0.00020	0.00010	0.00018
3	0.39227	0.3925	0.3924	0.3924	0.3923	0.3924	0.3925	0.39242	0.00015	0.00150	0.00020	0.00010	0.00019
4	0.58840	0.5887	0.5886	0.5885	0.5886	0.5886	0.5885	0.58858	0.00018	0.00150	0.00020	0.00010	0.00019
5	0.78454	0.7847	0.7846	0.7847	0.7848	0.7847	0.7848	0.78472	0.00018	0.00150	0.00020	0.00010	0.00020
6	0.98067	0.9809	0.9808	0.9810	0.9809	0.9808	0.9809	0.98088	0.00021	0.00150	0.00020	0.00010	0.00021
7	1.37294	1.3732	1.3731	1.3732	1.3731	1.3733	1.3732	1.37318	0.00024	0.00150	0.00010	0.00010	0.00023
8	1.56907	1.5695	1.5694	1.5694	1.5695	1.5696	1.5695	1.56948	0.00041	0.00150	0.00020	0.00010	0.00024
9	2.05941	2.0598	2.0599	2.0599	2.0598	2.0598	2.0597	2.05982	0.00041	0.00150	0.00020	0.00010	0.00027

All reading are taken in kg/cm2 at the time of calibration and converted to bar.

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