

**Calibration Certificate**

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Certificate No : VIS/23-24/M-1031	ULR No. : CC269523000001031F	Date of Calibration : 14.09.2023	Recommended Due Date : 14.09.2024
		Date of Issue : 25.09.2023	
<b>Customer Details</b> National Centre for Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Isckon-Bopal Road, Ambli, Ahmedabad - 380 058.		Calibrated at : Mechanical Lab Discipline : Mechanical Calibration Group : Pressure Indicating Device Receipt Date : 13.09.2023 Cond. On Receipt : Satisfactory Receipt No : VIS/S-554/23-24	
<b>Test Instrument : Digital Pressure Gauge</b> Model : MGA N32-2 Range : 0 to 400 bar Least Count : 0.01 bar Accuracy : +/-0.05%FS		Serial No. : NVEM1806035 ID No. : NCQC/M-147 Make : Vijay Enterprises	
<b>Details of Standard Used : Hydraulic Dead Weight Tester</b> Name/Make : Fluke Calibration Phoenix Traceability : Gatrads, Ahmedabad.		Sr. No./Certi.No. : 71760 / GEC/NB/14 148-P Range : 1kg/cm <sup>2</sup> to 55kg/cm <sup>2</sup> : 20kg/cm <sup>2</sup> to 1100kg/cm <sup>2</sup> Valid Up to : 27.11.2025	
Work Instruction No : CP - 01		Standard Used : DKD-R-6-1 ISO-GUM-1995	
<b>Environment Details</b> 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/cm<sup>2</sup> (PRESSURE) & mmHg (VACUUM)
- CONVERSION :-  
 1 kg/cm<sup>2</sup> = 0.98067 bar  
 1 mmHg = 0.00133 bar
- Test reading is corrected for Local gravity and temperature.
- Local gravity = 9.78763363 m/s<sup>2</sup> Uncertainty = 50 ppm

Calibrated By: Harshvardhan Kumar  
Lab Engineer

SIDDHARTH VIJAY PATIL  
Approved By: VIJAY PATIL  
Technical Manager / Siddharth Patil (CEO)

Digitally signed by  
SIDDHARTH VIJAY PATIL  
Date: 2023.09.25  
15:53:53 +05'30'

NCQC System Certificate No 300

NCQC  
Valid up to 14-09-2024  
Reviewed *[Signature]*



Instrumentation  
Services

# Vijay Instrumentation Services

A-202 Arihant Supermarket, Opp SBI Lalbaug, Manjalpur,

Vadodara - 390011

Email: calibration@vijayenterprises.in

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CC-2695

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### 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	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.200	0.000	0.000	0.01291
2	40.011	40.04	40.03	40.03	40.02	40.04	40.03	40.032	0.021	0.200	0.010	0.010	0.01880
3	100.028	100.07	100.06	100.06	100.05	100.07	100.06	100.062	0.034	0.200	0.010	0.010	0.02086
4	151.023	151.07	151.06	151.08	151.08	151.07	151.07	151.072	0.049	0.200	0.020	0.003	0.02101
5	200.057	200.13	200.12	200.12	200.11	200.12	200.11	200.118	0.061	0.200	0.010	0.010	0.02697
6	251.052	251.12	251.11	251.12	251.11	251.11	251.10	251.112	0.060	0.200	0.010	0.010	0.03264
7	300.085	300.16	300.15	300.16	300.14	300.16	300.15	300.153	0.068	0.200	0.010	0.013	0.03901
8	349.119	349.20	349.20	349.20	349.21	349.21	349.20	349.203	0.084	0.200	0.010	0.007	0.04539
9	400.113	400.21	400.20	400.21	400.19	400.21	400.20	400.203	0.090	0.200	0.010	0.013	0.05201

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

Calibrated By: Harshvardhan Kumar  
Lab Engineer

SIDDHARTH VIJAY PATIL  
Digitally signed by  
SIDDHARTH VIJAY PATIL  
Date: 2023.09.25  
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Approved By:  
Technical Manager / Siddharth Patil (CEO)

Note :

- The above results are without any adjustment / repair.
- 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.
- VIS is not liable for any change in calibration data & performance specification on account of malfunctioning of Standards/Instruments/Equipments covered by this certificate due to damage caused to it after issuance of this certificate.

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