



**Instrumentation
Services**

Vijay Instrumentation Services

A-201 Arihant Supermarket, Opp SBI Lalbaug,

Manjalpur, Vadodara - 390011

Email: calibration@vijayenterprises.in

Contact: +91-7041380818 | 0265-2664870



CC-2695

TRUE COPY

Calibration Certificate

FF - 24		Page 1 of 2	
Certificate No	: VIS/22-23/M-878	Date of Calibration	: 14.09.2022
ULR No.	: CC269522000000878F	Recommended Due Date	: 14.09.2023
		Date of Issue	: 14.09.2022
Customer Details : National Centre for Quality Calibration 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
		Receipt Date	: 13.09.2022
		Cond. On Receipt	: Satisfactory
		Receipt No	: VIS/S-490/22-23
Test Instrument : Digital Pressure Gauge		Serial No.	: NVEM1806035
Model	: MGA N32-2	ID No.	: NCQC/M-147
Range	: 0 to 400 bar	Make	: Vijay Enterprises
Least Count	: 0.01 bar		
Accuracy	: +/- 0.05%FS		
Details of Standard Used : Hydraulic Dead Weight Tester		Sr. No./Certi.No.	: 71760 / GEC/NB/14148-P
Name/Make	: Fluke Calibration Phoenix	Range	: 1kg/cm2 to 55kg/cm2
Traceability	: Gatrad, Ahmedabad.		: 20kg/cm2 to 1100kg/cm2
		Valid Up to	: 27.11.2025
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 : *[Signature]*
Lab Engineer



Approved By : *[Signature]*
Technical Manager / CEO

NCQC System Certificate No. 300

NCQC
Valid up to 14/09/2023
Reviewed *[Signature]*



Vijay
Instrumentation
Services

Vijay Instrumentation Services

A-201 Arihant Supermarket, Opp SBI Lalbaug,

Manjalpur, Vadodara - 390011

Email: calibration@vijayenterprises.in

Contact: +91-7041380818 | 0265-2664870



CC-2695

Calibration Certificate

Certificate No: VIS/22-23/M-878

Page: 2 of 2

ULR No. : CC26952200000878F

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	40.03	40.02	40.03	40.02	40.03	40.01	40.023	0.012	0.200	0.010	0.013	0.02153
3	100.028	100.05	100.04	100.05	100.06	100.04	100.05	100.048	0.020	0.200	0.020	0.010	0.02086
4	151.023	151.04	151.06	151.04	151.05	151.04	151.05	151.047	0.024	0.200	0.010	0.013	0.02589
5	200.057	200.10	200.09	200.11	200.10	200.09	200.10	200.098	0.041	0.200	0.020	0.010	0.02697
6	251.052	251.10	251.10	251.11	251.09	251.09	251.10	251.098	0.046	0.200	0.020	0.010	0.03264
7	300.085	300.14	300.13	300.15	300.14	300.13	300.14	300.138	0.053	0.200	0.020	0.010	0.03901
8	349.119	349.19	349.20	349.19	349.18	349.19	349.20	349.192	0.073	0.200	0.020	0.010	0.04539
9	400.113	400.17	400.19	400.19	400.20	400.18	400.19	400.187	0.074	0.200	0.020	0.013	0.05201

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

Calibrated By : 

Lab Engineer



Approved By : 

Technical Manager / 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.

---X--- END OF REPORT ---X---