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

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Certificate No : VIS/22-23/M-592 ULR No. : CC269522000000592F	Date of Calibration : 28.06.2022 Recommended Due Date : 28.06.2023 Date of Issue : 28.06.2022
Customer Details : National Centre for Quality Calibration 4, Abhishree Corporate Park, Near Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat, India.	Calibrated at : Mechanical Lab Discipline : Mechanical Calibration Group : Pressure Indicating Device Receipt Date : 28.06.2022 Cond. On Receipt : Satisfactory Receipt No : VIS/S-335/ 22-23
Test Instrument : Digital Pressure Gauge Model : MGA N32-2 Range : 0 to 70 bar Least Count : 0.001 bar Accuracy : +/- 0.05%FS	Serial No. : NVEM1806034 ID No. : NCQC/M-146 Make : Vijay Enterprises
Details of Standard Used : Hydraulic Dead Weight Tester Name/Make : Fluke Calibration Phoenix Traceability : Gatrad, Ahmedabad.	Sr. No./Certi.No. : 71760 / GEC/NB/14148-P Range : 1kg/cm2 to 55kg/cm2 : 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/s^2 Uncertainty = 50 ppm

Calibrated By : Harshwardhan Kumar

Lab Engineer : Mr. Harshwardhan Kumar

VIJAY INSTRUMENTATION SERVICES VADODARA

Approved By :

Technical Manager : Mr. Vijay J. Patil

NCQC System Certificate No. 299

NCQC
Valid up to 28-06-2023
Reviewed

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Calibration Certificate

Certificate No: VIS/22-23/M-592
ULR No. : CC269522000000592F

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	bar	bar	bar	bar	bar	bar	bar
1	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000	0.0350	0.0000	0.0000	0.00129
2	8.8260	8.827	8.826	8.826	8.825	8.827	8.827	8.8263	0.0003	0.0350	0.0020	0.0007	0.00186
3	17.6521	17.654	17.653	17.654	17.653	17.653	17.652	17.6532	0.0011	0.0350	0.0010	0.0010	0.00253
4	26.4781	26.481	26.482	26.480	26.481	26.481	26.480	26.4808	0.0027	0.0350	0.0020	0.0010	0.00344
5	35.3041	35.309	35.308	35.310	35.308	35.309	35.308	35.3087	0.0046	0.0350	0.0010	0.0013	0.00459
6	45.1108	45.117	45.116	45.118	45.117	45.117	45.116	45.1168	0.0060	0.0350	0.0010	0.0010	0.00586
7	52.9562	52.963	52.965	52.965	52.964	52.965	52.964	52.9643	0.0081	0.0350	0.0020	0.0013	0.00688
8	62.7629	62.773	62.772	62.774	62.773	62.772	62.773	62.7728	0.0099	0.0350	0.0020	0.0010	0.00816
9	70.6082	70.620	70.621	70.620	70.619	70.620	70.619	70.6198	0.0116	0.0350	0.0020	0.0010	0.00918

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

Calibrated By : Harshwardhan Kumar

Lab Engineer : Mr. Harshwardhan Kumar

VIJAY INSTRUMENTATION SERVICES VADODARA

Approved By :

Technical Manager : Mr. Vijay J. Patil

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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