

## Calibration Certificate

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Certificate No : VIS/22-23/M-592	Date of Calibration : 28.06.2022	ULR No. : CC269522000000592F	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	Serial No. : NVEM1806034	Model : MGA N32-2	ID No. : NCQC/M-146
Range : 0 to 70 bar	Make : Vijay Enterprises	Least Count : 0.001 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 : Gatrada, Ahmedabad.	Valid Up to : 27.11.2025		20kg/cm2 to 1100kg/cm2
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/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 : 

Lab Engineer : Mr. Harshwardhan Kumar

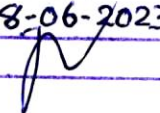


Approved By :

Technical Manager : Mr. Vijay J. Patil



NCQC System Certificate No. 299

NCQC  
Valid up to 28-06-2023  
Reviewed 

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**Calibration 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	0.0000	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/cm<sup>2</sup> at the time of calibration and converted to bar.

Calibrated By :

Lab Engineer : Mr. Harshwardhan Kumar



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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