TRUE COPY

PI Calibration Laboratory

A division of Polltech Instruments

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CC-2528

DISCIPLINE : MECHANICAL

Certificate of Calibration

Certificate No:	PICAL/1223/P/167	**Date of Issue:** 01.12.2023	**ULR :** CC252823000001195F
Customer Name & Address:	National Centre For Quality Calibration 4, Abhishree Corporate Park, Nr. Swagat Bunglow BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380058		

Instrument (UUC) Details

Date of Receipt	01.12.2023	**Condition when received**	Satisfactory
Name	Digital Pressure Calibrator	**Range**	0 to 200.00 mbar
Location	NA	**Accuracy**	± 0.05 % Full Scale
Make/Model No.	POLLTECH & PSI-PC	**Resolution/L.C**	0.01 mbar
Sr.No:	2315	**Identification no.**	NCQC/M-123

Calibration Details

Job No.	CMR/4-L/1223/P/138	**Parameter of Measurement**	Pressure	
Calibration Procedure No.	PICAL/CP/MP/01A	**Calibration Method**	By Comparison Method	
Calibration Date	01.12.2023	**Calibration Media**	Air	
Next Due Date (as per customer request)	01.12.2024	**Place of Calibration**	At Lab	~~On Site~~
Calibration carried out by (Calibration Engineer)	Vijay Katkade			

Environmental Conditions under which Calibrated

Temperature : 23.35°C to 23.52°C **Humidity :** 61.32 % RH **Ambient Pressure :** 100.42 kPa A

Reference Standard Equipments used

Name	ID.No:	Certificate No:	Certified By	Validity
Digital Pressure Calibrator	PICAL/M/P/12	CC/PRL/0181/23-24	IDEMI CC-2287	07.09.2024

RESULTS OF CALIBRATION

Sl.No	Set Pressure on UUC	GAUGE PRESSURE Reference Standard Readings						Average of Reference Standard Readings	Error ± % of Full Scale	Expanded Uncertainty at k=2
		Cycle 1		Cycle 2		Cycle 3				
		UP	DOWN	UP	DOWN	UP	DOWN			
	mbar	mbar	mbar	mbar	mbar	mbar	mbar	mbar	%	mbar
1	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.12
2	20.00	20.00	20.00	20.01	20.00	20.00	20.00	20.00	0.00	0.12
3	40.00	40.00	40.00	39.99	39.99	40.00	40.00	40.00	0.00	0.12
4	60.00	59.99	59.99	60.00	60.00	59.99	59.99	59.99	0.00	0.12
5	80.00	80.00	80.01	80.00	80.00	80.00	79.99	80.00	0.00	0.12
6	100.00	100.03	100.03	100.02	100.02	100.03	100.03	100.03	-0.01	0.12
7	120.00	120.04	120.02	120.03	120.04	120.04	120.04	120.04	-0.02	0.12
8	140.00	140.05	140.05	140.04	140.05	140.05	140.05	140.05	-0.02	0.12
9	160.00	160.02	160.01	160.02	160.02	160.02	160.02	160.02	-0.01	0.12
10	180.00	180.05	180.06	180.05	180.05	180.05	180.05	180.05	-0.03	0.12
11	200.00	200.01	200.01	200.02	200.02	200.01	200.01	200.01	-0.01	0.12

Summary of Results

The above calibrated Instrument is found to be within the limits of acc. Spec.	**Conformity statement:**	***Not Required***
While making decision rule expanded uncertainty in full taken into consideration.	**Decision Rule :**	***Not Required***

Parameter	Calibration Range	Error ± % of Full Scale	Expanded Uncertainty @ k=2 ± mbar
Pressure	0 to 200.00 mbar	0.03	As Above

Calibrated by
Vijay Katkade
Calibration Engineer

NCQC
Valid up to 01-12-2024
Reviewed

Approved by
Dr. P.K.Arora
Technical Manager

Note:
1. All the Instruments/ Reference Standards used are traceable to national standards through reference standards and their calibrations are valid.
2. Results reported are valid at the time of and under the stated conditions of the measurements. Satisfactory test/calibration in no way implies that the product so tested or equipment calibrated is approved by NABL. Result presented in this certificate relate only to the items mentioned & calibrated at PI CAL LAB.
3. This certificate will not be reproduced except in full without wirtten explanation.
4. The uncertainties are for a confidence Probability not less than 95 % confidence level unless specified otherwise
5. This report refers only to particular item (s) submitted for calibration.

End of Certificate

NCQC System Certificate No. 268