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/166	**Date of Issue:** 01.12.2023	**ULR :** CC252823000001194F
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 20 mbar
Location	NA	Accuracy	± 0.1% Full Scale
Make/Model No.	POLLTECH & PSI PC	Resolution/L.C	0.001 mbar
Sr.No:	10113	Identification no.	NCQC/M-86

Calibration Details

Job No.	CMR/4-L/1223/P/137	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)	Surekha T Lagad.			

Environmental Conditions under which Calibrated

Temperature : 23.52°C to 23.76°C **Humidity :** 55.15% RH **Ambient Pressure :** 100.56 kPa A

Reference Standard Equipments used

Name	ID.No:	Certificate No:	Certified By	Validity
Digital Pressure Calibrator	PICAL/M/P/14	CC/PRL/0128/23-24	IDEMI CC-2287	01.08.2024

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	0.000	0.000	0.006	0.006	0.004	0.003	0.000	0.003	-0.02	0.004
2	2.000	2.017	2.015	2.016	2.015	2.014	2.013	2.015	-0.08	0.004
3	4.000	4.015	4.013	4.014	4.012	4.011	4.009	4.012	-0.06	0.004
4	6.000	6.012	6.010	6.009	6.010	6.011	6.008	6.010	-0.05	0.004
5	8.000	8.010	8.009	8.011	8.008	8.009	8.005	8.009	-0.04	0.004
6	10.000	10.007	10.005	10.006	10.005	10.007	10.006	10.006	-0.03	0.004
7	12.000	12.010	12.008	12.008	12.009	12.011	12.009	12.009	-0.05	0.004
8	14.000	14.008	14.009	14.006	14.005	14.007	14.009	14.007	-0.04	0.004
9	16.000	16.005	16.002	16.004	16.002	16.004	16.006	16.004	-0.02	0.004
10	18.000	18.003	18.006	18.004	18.002	18.004	18.006	18.004	-0.02	0.004
11	20.000	20.001	20.001	20.004	20.004	20.005	20.005	20.003	-0.02	0.004

Summary of Results

The above calibrated Instrument is found to be within the limits of acc. Spec.
While making decision rule expanded uncertainty in full taken into consideration.

Conformity statement : *Not Required*
Decision Rule : *Not Required*

Parameter	Calibration Range	Error ± % of Full Scale	Expanded Uncertainty @ k=2 ± mbar
Pressure	0 to 20 mbar	0.08	As Above

Calibrated by
Surekha T Lagad.
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 written 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. 238