



PI Calibration Laboratory

A division of Polltech Instruments

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CC-4126

DISCIPLINE : MECHANICAL

FR/PICR/P/20

Certificate of Calibration

Certificate No: PICAL/1224/P/035 Date of Issue: 03.12.2024 ULR : CC41262400000138F

Customer Name & Address: M/s. NCQC Laboratory LLP
4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Opp. Shell Petrol Pump, Iskon-Bopal Road, Ambli, Ahmedabad - 380 058.

Instrument (UUC) Details

Date of Receipt	28.11.2024	Condition when received	Satisfactory
Name	Digital Pressure Calibrator	Range	0 to 200.00 mbar (Pressure)
Location	NA	Accuracy	± 0.05 % of 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/1224/P/111	Parameter of Measurement	Pressure
Calibration Procedure No.	PICAL/CP/MP/01	Calibration Method	By Comparison Method
Calibration Date	02.12.2024	Calibration Media	Air
Next Due Date (as per customer request)	02.12.2025	Place of Calibration	At Lab On-Site

Environmental Conditions under which Calibrated

Temperature : 24.01 °C to 24.26°C Humidity : 39.75% RH Ambient Pressure : 101.78 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	03.10.2025

RESULTS OF CALIBRATION

Sl.No	Set Pressure on UUC	GAUGE PRESSURE						Average of Reference Std. Readings	Error ± % of Full Scale	Expanded Uncertainty at k=2
		Reference Std. Readings								
		Cycle 1		Cycle 2		Cycle 3				
		UP	DOWN	UP	DOWN	UP	DOWN			
mbar		mbar		mbar		mbar		mbar	± %	± mbar
1	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.10
2	20.00	20.02	20.03	20.03	20.03	20.03	20.03	20.03	-0.01	0.10
3	40.00	40.03	40.03	40.03	40.04	40.03	40.04	40.03	-0.02	0.10
4	60.00	60.02	60.02	60.02	60.03	60.03	60.02	60.02	-0.01	0.10
5	80.00	80.04	80.04	80.05	80.05	80.05	80.04	80.05	-0.02	0.10
6	100.00	100.05	100.05	100.06	100.06	100.05	100.06	100.06	-0.03	0.10
7	120.00	120.03	120.03	120.02	120.03	120.02	120.03	120.03	-0.01	0.10
8	140.00	139.98	139.97	139.97	139.97	139.98	139.97	139.97	0.01	0.10
9	160.00	159.97	159.97	159.96	159.96	159.96	159.96	159.96	0.02	0.10
10	180.00	179.96	179.96	179.95	179.96	179.96	179.95	179.96	0.02	0.10
11	200.00	199.95	199.95	199.94	199.94	199.94	199.94	199.94	0.03	0.10

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 200.00 mbar	0.03	As Above

Calibration carried out by (Calibration Engineer):Mariam Sleebea

Approved By

Dr. P.K. Arora
Technical Manager

Note:

- All the Instruments/ Reference Standards used are traceable to national standards through reference standards and their calibrations are valid.
- 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.
- This certificate will not be reproduced except in full without written explanation.
- The uncertainties are for a confidence Probability not less than 95 % confidence level unless specified otherwise
- This report refers only to particular item (s) submitted for calibration.

End of Certificate
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