



# PI Calibration Laboratory

A division of Polltech Instruments

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CC-2528

DISCIPLINE : MECHANICAL

## Certificate of Calibration

Certificate No: PICAL/1222/P/092 Date of Issue: 02.12.2022 ULR: CC252822000000881F

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	02.12.2022	Condition when received	Satisfactory
Name	Digital Pressure Calibrator	Range	0.00 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/1222/P/087	Parameter of Measurement	Pressure
Calibration Procedure No.	PICAL/CP/MP/01A	Calibration Method	By Comparison Method
Calibration Date	02.12.2022	Calibration Media	Air
Next Due Date (as per customer request)	01.12.2023	Place of Calibration	At Lab -On-Site

Calibration carried out by (Calibration Engineer) B. Yadav

### Environmental Conditions under which Calibrated

Temperature: 24.22 °C to 24.43 °C Humidity: 60.92 %RH Ambient Pressure: 99.84 kPa(A)

### Reference Standard Equipments used

Name	ID.No.	Certificate No.	Certified By	Validity
Digital Pressure Calibrator	PICAL/M/P/12	CC/PRL/0159/22-23	IDEMI CC-2287	28.08.2023

### RESULTS OF CALIBRATION

Sl.No	Set Pressure on UUC	GAUGE PRESSURE						Average of Reference Standard Readings	Error ± % of Full Scale	Expanded Uncertainty at k=2
		Reference Standard Readings								
		Cycle 1		Cycle 2		Cycle 3				
	mbar	UP	DOWN	UP	DOWN	UP	DOWN	mbar	%	mbar
1	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	0.01	0.12
2	20.00	20.03	20.02	20.03	20.02	20.03	20.02	20.03	-0.01	0.12
3	40.00	40.02	40.02	40.02	40.01	40.02	40.01	40.02	-0.01	0.12
4	60.00	60.03	60.02	60.02	60.01	60.03	60.02	60.02	-0.01	0.12
5	80.00	79.98	79.97	79.97	79.96	79.98	79.97	79.97	0.01	0.12
6	100.00	99.98	99.97	99.97	99.96	99.97	99.96	99.97	0.02	0.12
7	120.00	120.02	120.01	120.02	120.02	120.03	120.02	120.02	-0.01	0.12
8	140.00	140.03	140.02	140.03	140.02	140.03	140.02	140.03	-0.01	0.12
9	160.00	160.05	160.04	160.05	160.04	160.05	160.04	160.05	-0.02	0.12
10	180.00	180.07	180.06	180.06	180.05	180.07	180.06	180.06	-0.03	0.12
11	200.00	200.07	200.07	200.06	200.06	200.07	200.07	200.07	-0.03	0.12

### 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	0.00 to 200.00 mbar	0.03	0.12

Calibrated by

B. Yadav

Calibration Engineer

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.