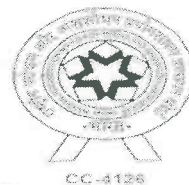




# PI Calibration Laboratory

A division of Polltech Instruments

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 Web: www.picallab.com email: polltech.callab@gmail.com



CC-4126

DISCIPLINE : MECHANICAL

FR/PICR/P/20

Certificate of Calibration

**TRUE COPY**

Certificate No: **PICAL/1224/P/036**

Date of Issue: **03.12.2024**

ULR: **CC412624000000139F**

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 20.000 mbar (Pressure) |
| Location        | NA                          | Accuracy                | 0.1 % of 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/1224/P/112 | 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<br>(as per customer request) | 02.12.2025         | Place of Calibration     | At Lab <span style="margin-left: 20px;">-On-Site</span> |

## Environmental Conditions under which Calibrated

Temperature : 23.85 °C to 24.04 °C Humidity : 38.24% RH Ambient Pressure : 101.16 kPa (A)

## Reference Standard Equipments used

| Name                        | ID.No.       | Certificate No.   | Certified By  | Validity   |
|-----------------------------|--------------|-------------------|---------------|------------|
| Digital Pressure Calibrator | PICAL/M/P/14 | CC/PRL/0115/24-25 | IDEMI CC-2287 | 24.07.2025 |

## RESULTS OF CALIBRATION

| Sl.No | Set Pressure<br>on UUC | GAUGE PRESSURE          |        |         |        |         |        | Average of<br>Reference<br>Std.<br>Readings | Error<br>± % of<br>Full<br>Scale | Expanded<br>Uncertainty<br>at k=2 |
|-------|------------------------|-------------------------|--------|---------|--------|---------|--------|---------------------------------------------|----------------------------------|-----------------------------------|
|       |                        | Reference Std. Readings |        |         |        |         |        |                                             |                                  |                                   |
|       |                        | 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                   | 0.001  | 0.001   | 0.001  | 0.001   | 0.001  | 0.001                                       | 0.00                             | 0.007                             |
| 2     | 2.000                  | 2.003                   | 2.003  | 2.004   | 2.004  | 2.004   | 2.003  | 2.004                                       | -0.02                            | 0.007                             |
| 3     | 4.000                  | 3.997                   | 3.996  | 3.996   | 3.997  | 3.997   | 3.997  | 3.997                                       | 0.02                             | 0.007                             |
| 4     | 6.000                  | 6.002                   | 6.002  | 6.003   | 6.003  | 6.002   | 6.003  | 6.003                                       | -0.01                            | 0.007                             |
| 5     | 8.000                  | 8.003                   | 8.003  | 8.003   | 8.002  | 8.002   | 8.003  | 8.003                                       | -0.01                            | 0.007                             |
| 6     | 10.000                 | 10.004                  | 10.004 | 10.004  | 10.005 | 10.004  | 10.005 | 10.004                                      | -0.02                            | 0.007                             |
| 7     | 12.000                 | 11.997                  | 11.992 | 11.994  | 11.992 | 11.993  | 11.992 | 11.993                                      | 0.03                             | 0.007                             |
| 8     | 14.000                 | 13.990                  | 13.990 | 13.990  | 13.989 | 13.990  | 13.989 | 13.990                                      | 0.05                             | 0.007                             |
| 9     | 16.000                 | 15.994                  | 15.992 | 15.992  | 15.993 | 15.992  | 15.993 | 15.993                                      | 0.04                             | 0.007                             |
| 10    | 18.000                 | 17.993                  | 17.993 | 17.992  | 17.993 | 17.993  | 17.992 | 17.993                                      | 0.04                             | 0.007                             |
| 11    | 20.000                 | 19.990                  | 19.990 | 19.989  | 19.989 | 19.990  | 19.989 | 19.990                                      | 0.05                             | 0.007                             |

## 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<br>± % of Full Scale | Expanded Uncertainty @ k=2<br>± mbar |
| Pressure                                                                          | 0 to 20.000 mbar  | 0.05                       | As Above                             |

Calibration carried out by (Calibration Engineer): Mariam Sleeba

**NCQC LABORATORY LLP**  
 Valid up to 02/12/2025  
 Reviewed Tiger

**NCQC System Certificate No. 234**

Approved By

Digitally signed by Pawan  
 Kumar Arora

**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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