



NEWTECH CALIBRATION LABORATORY

(NABL Accredited Calibration Laboratory)

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CC-3575

Format No.:	NCL/FF/25	CALIBRATION CERTIFICATE OF : PRESSURE GAUGE			
LR No.:	CC35752400000107F				
Calibration Certificate No.:	NCL-PG-2400107-23-24	Issue Date:	4-Jan-2024	Page No.:	1 of 1
Date of Calibration:	3-Jan-2024	Next Calibration Due On :	3-Jan-2025		
Service Request/Order No.:	JWO/QP/2324/0001	Instrument Receipt Date :	3-Jan-2024		
Issued To:	M/s. Dey's Medical Stores Pvt. Ltd. Minerva Garden Complex, Joka, South 24 Pgs Kolkata - 700104				

Description of instrument

Instrument Name:	Pressure Gauge	Location:	Sparkler Filter
Make :	Air Master	Least Count:	0.5 kg/cm ²
Model:	--	Calibration Done:	At lab
Identification No.:	--	Discipline:	Mechanical
Visual Condition:	OK	Group:	Pressure
Calibration Procedure:	NCL/WI/03/P-01	Recommended Environmental Condition:	
Standard reference No.:	DKD-R6-1	Temperature	Humidity
Environmental Condition Calibration:		24.1°C	55.1% RH
		24°C± 2°C	50± 10% RH

Details of Standard Equipment used for Calibration

Traceability: Standards used for calibration are traceable to National / International Standards through ISO/IEC: 17025 accredited laboratory

Sr. No.	Description	Certificate No.	Calibration Date	Due On	Calibration Agency
1	Digital Pressure Gauge (NCL/PG/02)	TSC/22-23/14800-1	09.01.2023	09.01.2024	Transcal

Calibration Results

Sr. No.	DUC Set	Converted Value	Std. Observed value				Mean Value	Deviation	Repeatability	Hysteresis	Uncertainty (±)
			M1	M2	M3	M4					
	kg/cm ²	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar
1	0.0	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	5.0	4.90	4.931	4.932	4.935	4.938	4.934	-0.031	-0.035	0.007	0.008
3	10.0	9.81	9.874	9.876	9.874	9.877	9.875	-0.069	-0.070	0.003	0.017
4	15.0	14.71	14.825	14.830	14.829	14.827	14.828	-0.118	-0.120	0.005	0.025
5	20.0	19.61	19.794	19.797	19.798	19.796	19.796	-0.183	-0.185	0.004	0.033
6	21.0	20.59	20.824	20.824	20.829	20.829	20.827	-0.233	-0.235	0.005	0.035

Remarks: Measurement Uncertainty reported is at approximately 95% confidence level with k=2. Units of Measurement results & Measurement Uncertainty are same as that of range selected unless otherwise indicated.

The above instrument has been calibrated over its above range. The readings observe are tabulated above.

- Note:
- i) This Calibration Certificate relates only to the above DUC & Reported results are valid at the time of and under the stated conditions of measurements.
 - ii) NABL-133 guidelines are adopted for use of NABL symbol.
 - iii) DUC: Device Under Calibration.
 - iv) The certificate if produced for any purpose commercial or otherwise should be reproduced in full. Partial of the certificate or an abstract thereof has to be got specifically approved from the technical and the quality manager of this job.

This certificate, issued by Newtech Calibration Laboratory, refers only the particular item submitted to calibrate.

Calibrated By: **B. Bera**
 Calibration Engineer

Approved By: **Shusovan Ghosh**
 Technical Manager

END OF CERTIFICATE

