

<b>ULR Number</b>	CC417825000005033F	<b>Certificate Number</b>	RPL-2025-0497-C-005137
<b>Date of Calibration</b>	19.05.2025	<b>Recommended Due date</b>	18.05.2026

## Mechanical - Pressure Indicating devices

### Calibration Certificate

For

### Pressure Gauge

Reva Phoenix Labs & Consultants Pvt. Ltd. (Accredited Laboratory) certifies that the equipment has been calibrated in accordance with the Quality System Requirements of ISO 9001:2015 and ISO/IEC 17025: 2017 & applicable Laboratory procedures. The measurement expanded uncertainty is expressed at 95% confidence level with a coverage factor equal to two (k=2). Laboratory measurement standards are traceable through unbroken chain of comparison to National and / or to International Standards.

Calibration of all equipment used are traceable to National / International Standards and their calibration are current. This calibration report contains the results of calibration and / or other relevant data about the Calibration. This report applies only to the item identified and shall not be reproduced except in full, without specific written approval from the Laboratory. No statement of compliance with specifications is made or implied on this report.

For further details, terms and conditions, please refer to the Mandatory Annexure to Calibration Certificate, which is an integral part of this Certificate.



Lab QR Code



Certificate QR Code

Calibration Procedure	As Received Conditions	As Shipped Condition
RPL-L03-DI-025-PRESS-001	Satisfactory	Cleaned & Calibrated

<b>Calibrated By</b>		<b>Reviewed &amp; Approved By   Authorized Signatory</b>		
<b>Identification</b>	RPL-TM-02	<b>Identification</b>	Jayasree Manikandan	

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<b>Date of Calibration</b>	19.05.2025	<b>Recommended Due date</b>	18.05.2026

<b>Date of Performance of Calibration</b>	19.05.2025	<b>Date of Issue</b>	20.05.2025
		<b>Recommended Due Date</b>	18.05.2026

<b>Name &amp; Contact information of Customer:</b>	Forcetechno Engineers LLP New No.4, Nalla Thambi Street, Cholavaram Nagar, Chrompet, Chennai - 600 044. Tamil Nadu, India.	<b>Date of Receipt</b>	19.05.2025
		<b>CSRF Number</b>	RPL/SRF/2025/0497
		<b>Location-Calibrated at</b>	In House

**Description of the Unit Under Calibration (UUC)**

<b>Description</b>	Pressure Gauge	<b>Model</b>	--
<b>Range</b>	0 to 25 kg/cm <sup>2</sup>	<b>Serial No</b>	--
<b>Least Count</b>	0.5 kg/cm <sup>2</sup>	<b>Identification No</b>	--
<b>Make</b>	ESAB	<b>Accuracy</b>	± 1 %FSD
<b>Location</b>	--	<b>Operating Range</b>	0 to 25 kg/cm <sup>2</sup>

<b>Condition of unit under calibration on receipt</b>	Satisfactory
<b>Method used - Reva Phoenix Document Number</b>	RPL-L03-DI-025-PRESS-001
<b>Reference Standard (International / National)</b>	DKD R-6 1 : 2014

<b>Environmental Details</b>	<b>Temperature</b>	<b>Start</b>	25.3 °C	<b>End</b>	25.5 °C	<b>Difference</b>	0.2 °C
	<b>Relative Humidity</b>		58.6 %RH		58.9 %RH		0.3 %RH
	<b>Pressure (mbar)</b>	1007.0					

**Details of Traceability - Master Equipment / Standard used for Calibration**

Sl.No.	Description Master Equipment / Standard used for Calibration	Metrological Traceability to National / International Standards
1	Digital Pressure Calibrator	CS/24/LB/MP/756-01 Valid till 30.12.2025

<b>Calibrated By</b>		<b>Reviewed &amp; Approved By   Authorized Signatory</b>		<i>m.21</i>
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**Discipline :** Mechanical - Pressure Indicating devices

**Calibration Results**

Sr.No.	Nominal Value	UUC Reading	Master Readings		Master Average Reading	Error	Hysteresis	Expanded Uncertainty (±)
			Increment 1	Decrement 1				
	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>				
1	0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.144
2	5.0	5.0	5.009	5.011	5.010	0.010	0.002	0.144
3	10.0	10.0	10.018	10.016	10.017	0.017	0.002	0.144
4	15.0	15.0	15.025	15.025	15.025	0.025	0.000	0.144
5	20.0	20.0	20.034	20.034	20.034	0.034	0.000	0.144
6	25.0	25.0	25.048	25.047	25.048	0.048	0.001	0.144

**Digital Signature of Laboratory:**

 REVA PHOENIX LABS AND CONSULTANTS  
 PRIVATE LIMITED  
 Date: 21/05/2025 09:05:18 +05:30  
 Reason: Calibration Certificate  
 Location: Chennai



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**Mandatory Annexure to Calibration Certificate**

1. Calibration Certificate includes all the information as agreed with Customer and as necessary for the interpretation of the results and all information required by the method used, including, additions to deviations, or exclusions.
2. All issued reports are retained as technical records by our Laboratory as per ISO/IEC 17025: 2017 requirements.
3. Metrological traceability to National | International Standards as per ISO/IEC 17025: 2017 requirements is and Calibration reports do not contain any recommendation on Calibration interval, except where agreed.
4. Laboratory is responsible for all the information provided in the report, except when information is provided by the customer. Data provided, where applicable, is clearly identified, as they can affect the validity of results.
5. Measurement Uncertainty reported is at approximately 95% confidence level with k=2; Unit of measurement result and measurement uncertainty are same as that of range selected, unless otherwise indicated in certificate.
6. Calibration Certificate is issued in accordance with the terms and conditions laid down by NABL which has assessed our measurement capability and its traceability to recognized National | International standards.
7. Metrological traceability of Masters to National / International Standard is established by unbroken chain of calibration.
8. Results reported in Calibration Certificate are valid at the time of and stated conditions of measurement of UUC.
9. Error(s), if any, in the Calibration Certificate, shall be brought to the notice of Laboratory within 30 days from the date of issue. Amendments to Certificate will not be entertained thereafter.
10. Calibration Certificate is issued based on Customer requirements for Scientific and Industrial purposes and not meant for other purpose and shall not be produced in the court of law.
11. Legal Aspects: Calibration of Weights, Density of Solids, Load cell, UTM, Pressure Dead Weight Tester, Pressure Gauge. Liquid-in-glass Thermometer done by our Laboratory is meant for scientific and industrial purpose only. However, if used for commercial trading, additional recognition/ approval shall be complied as required by Department of Legal Metrology, Regulatory body, etc.
12. Laboratory is not liable for any change in the reported data and performance specification on account of malfunctioning of Standards | Equipment covered by this Certificate due to damage caused to it after the issue of this Certificate.
13. Any corrections | changes | erasing | modifications | unauthorized Seal, Stamp or Signature on this Calibration Certificate invalidate this Certificate.
14. Unless otherwise specified, the measurement data reported is considered 'As found data - without any adjustments.'
15. Decision Rule: No conformity statement (Pass | Fail | Accepted | Rejected) is provided, unless otherwise indicated on report.
16. NABL Guideline 133 is adopted for the use of NABL Symbol.
17. This report pertains only to the sample | equipment submitted and shall not be reproduced in part or full, without explicit written permission from our Laboratory.
18. Only Digital calibration Certificate in soft, valid and prepared as per ISO/IEC 17025: 2017 requirement is issued.

**Scope of Accreditation:**

Please contact our Laboratory to get a copy of our ISO/IEC 17025: 2017 Accredited Certificate and Scope of Calibration. You may also download the same directly from NABL Website.

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**Our Accredited Calibration Laboratories:**

- Acceleration, Speed & Vibration, Acoustics - Tachometer - Contact & Non Contact Mode, Centrifuge, RPM - Stirrer, Source, Stroboscope, Vibration Machine, Vibration Shaker, Portable Vibration Calibrator, Vibration Sensor, Sound Level Meter
- Mechanical - Density & Viscosity - Alcoholmeter, Baume Hydrometer, Brix Hydrometer, Density of Liquid, Density of Solid, ISO Cup, Ford Flow Cup, Zahn Cup, Sheen Cup, Dip Cup, B1 to B5 Cup, Lactometer, Sikes Hydrometer, Specific Gravity Hydrometer, Krebs Viscometer, Brook Field Viscometer
- Mechanical - Dimension - Basic Measuring Instrument, Gauge etc - Calipers, Cross Hatch Cutter, Hegmann Gauge, Bridge Cam Gauge, Cube Mould, Chamfer Gauge, Joint Finger Probe, DFT Meter, Crimping Tool, Clinometer, Proximity Sensor, Gear Tooth Vernier, Welding Gauge, Sphere, Profile Gauge, Micro Dial Comparator, Templates, Test Sieves, V-Anvil Micrometer
- Mechanical - Dimension - Precision Instruments - CMM, Ocular Graticule, Comparator Stand, FCDM, Profile Projector, Electronic Level, Gauge Blocks, Height Micrometer, Universal Length Measuring Machine, Microscopes, Master Cylinders, Optical Flat, Sine Bar, StandAlone Surface Roughness Tester, Roughness Specimen, Electronic Probe with DRO
- Electro Technical - Time & Frequency, Simulation, Electrical Equipment, AC & DC - Power Supply, LCR Meter, Multi Product Calibrator, Ammeter, Voltmeter, Capacitance Box, Inductance Box, Reference Magnet, Gauss Meter, Multimeter, Conductivity Meter, Oscilloscope, pH Meter, Timer
- Fluid Flow, Air & Water - Flow Measuring Devices - Analog & Digital Flow Meter, Gas Flow Meter, Mass Flow Controller, Orifice Flow Meter, Electro Magnetic Flow Meter, Dry Gas Meter, Flow Calibrator, Anemometer, Pitot Tube, Velocity Meter, Rotameter, Ultrasonic Flow Calibrator
- Mechanical - Force, Durometer, UTM, Mobile Force Measuring System - Force Gauge, Tension Gauge, Push Pull Gauge, Rubber Hardness Tester, Shore Hardness Tester, Hardness Tester, Universal Testing Machine, Compression Testing Machine, Tension Testing Machine, Speed of UTM, Displacement in UTM
- Mechanical - Hardness Testing Machines - Rockwell, Vickers, Microvickers & Brinell Hardness Testing Machine, Hardness Tester, Dynamic Hardness Tester, Leeb's Hardness Tester
- Mechanical - Impact Testing Machine - Charpy Impact Testing Machine, Izod Impact Testing Machine
- Mechanical - Mass & Volume, Weighing Scale & Balance, Weights - E1 & F1 Class Weights, Weighing Balance - 2000kg, Burette, Separating Funnel, Pycnometer, Density Bottle, Graduated Jar, Micropipette, Piston Pipette, Graduated Volume Pipette, Dilution Pipette, Volumetric Flask, Chatlier Flask, Conical Flask
- Optical - Lux Meter, Illuminance Tester, Optical Photometer, Lamp - Tungsten, LED, Incandescent & Halogen, Luminous Intensity of Light Source
- Mechanical - Pressure Indicating Devices - Barometer, Manometer, Pressure Gauge, Pressure - Chart Recorder, Transducer, Module, Transmitter, Recorder, Calibrator, Switch, Logger, Vacuum - Gauge, Calibrator, Transmitter, Module, Logger
- Thermal - Temperature, Specific Heat & Humidity - Thermal Imager, IR Thermometer, Furnace Calibration, Oven Calibration, Environmental Chamber, Climatic Chamber, Incubator, Auto Clave, Temperature Calibrator, Black Body Source, Cold Room
- Torque - Generating | Measuring Devices - Torque Wrench, Spanner, Screw Driver, Gauge, Torque Transducer, Sensor, Meter

**For any further information, assistance or feedback; please contact:**

Director | Managing Director

Reva Phoenix Labs &amp; Consultants Private Limited

Reva Phoenix Complex, No.14, 4th Street, Rajarajeswari Nagar,

Madipakkam, Chennai 600 091, Tamil Nadu, India

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E mail: enquiry@revaphoenix.com | Website: www.revacalibration.com

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- End of Calibration Certificate -

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