



ULR Number	CC269523000005235F	Certificate Number	JRPM/NABL/250107/461/3
Date of Calibration	14.11.2024	Recommended due date	13.02.2025

Mechanical - Pressure Indicating devices

Calibration Certificate

For

Pressure Transducer

Laboratory certifies that the equipment has been calibrated in accordance with a quality system registered to ISO 9001:2015 and confirms to ISO/IEC 17025:2017 and laboratory applicable 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, meters used are traceable to National Standards / 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. However, the results are reviewed to establish where any measurement results exceed the manufacturers specification and communicate results by means of this report.



Lab QR Code



Certificate QR Code

Calibration Procedure	As Received Conditions	As Shipped Condition
RPL-L03-DI-025-PRESS-002	Satisfactory	Cleaned & Calibrated

Calibrated By		Reviewed & Approved By Authorized Signatory	
Identification	RPL-TM-02	Identification	Jayasree Manikandan





ULR Number	CC269523000005235F	Certificate Number	JRPM/NABL/250107/461/3
Date of Calibration	14.11.2024	Recommended due date	13.02.2025

Date of Performance of Calibration	14.11.2024	Date of Issue	18.11.2024
		Recommended Due Date	13.02.2025

Name & Contact information of Customer:	Peekay Steel Castings Private Limited Plot No. 40, APIIC IP Gollapuram, Hindupur - 515211.	Date of Receipt	14.11.2024
		CSRF Number	RPL/SRF/2024/461
		Location-Calibrated at	Onsite

Description of the Unit Under Calibration (UUC)

Description	Pressure Transducer	Model	--
Range	0 to 1000 bar , 0 to 14500 psi	Serial No	1078761
Least Count	0.1 bar , 1 psi	Identification No	PKH-TRN-01
Make	ST SENSOR	Accuracy	± 0.5 %FSD
Location	Hydro Test HTM-01	Operating Range	0 to 1000 bar , 0 to 14500 psi

Condition of unit under calibration on receipt	Satisfactory
Method used - Reva Phoenix Document Number	RPL-L03-DI-025-PRESS-002
Reference Standard (International / National)	DKD R 6-1:2014

Environmental Details	Temperature	Start	25.6 °C	End	25.6 °C	Difference	0.5 °C
	Relative Humidity		58 %RH		59 %RH		1.0 %RH

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 Gauge	RPL-CF-2024-PRESS-CSRF-0532-C-0825 Valid till 07.06.2025
2	Digital Pressure Calibrator	17.11.2025

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Discipline : Mechanical - Pressure Indicating devices

Calibration Results

Sr.No.	Master Reading	Expected Output	UUC Readings			Equivalent Value			Average Reading	Error	Hysteresis	Expanded Uncertainty (±)
			Increment 1	Decrement 1	Increment 2	Increment 1	Decrement 1	Increment 2				
	bar	mA	mA	mA	mA	bar	bar	bar	bar	bar	bar	bar
1	0.0	4.0000	3.9997	3.9996	3.9997	-0.0188	-0.0250	-0.0188	-0.0209	-0.0209	0.0062	0.210
2	100.0	5.6000	5.5994	5.5996	5.5995	99.9625	99.9750	99.9688	99.9688	-0.0312	0.0125	0.210
3	200.0	7.2000	7.1990	7.1990	7.1990	199.9375	199.9375	199.9375	199.9375	-0.0625	0.0000	0.210
4	300.0	8.8000	8.7991	8.7989	8.7990	299.9437	299.9312	299.9375	299.9375	-0.0625	0.0125	0.210
5	400.0	10.4000	10.4042	10.4044	10.4043	400.2625	400.2750	400.2687	400.2687	0.2687	0.0125	0.210
6	500.0	12.0000	12.0085	12.0084	12.0084	500.5313	500.5250	500.5250	500.5271	0.5271	0.0063	0.210
7	600.0	13.6000	13.6094	13.6095	13.6095	600.5875	600.5938	600.5938	600.5917	0.5917	0.0063	0.210
8	700.0	15.2000	15.2117	15.2116	15.2116	700.7313	700.7250	700.7250	700.7271	0.7271	0.0063	0.210
9	900.0	18.4000	18.4132	18.4133	18.4133	900.8250	900.8312	900.8312	900.8291	0.8291	0.0062	0.210
10	1000.0	20.0000	20.0142	20.0142	20.0141	1000.8875	1000.8875	1000.8812	1000.8854	0.8854	0.0000	0.210

Calibration Results

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			UUC Readings			Equivalent Value						
Sr.N o.	Mast er Re adin g	Expec ted O utput	Increm ent 1	Decrem ent 1	Increm ent 2	Increme nt 1	Decrem ent 1	Increme nt 2	Average Reading	Error	Hystere sis	Expan ded Un certain ty (±)
	psi	mA	mA	mA	mA	psi	psi	psi	psi	psi	psi	psi
1	0	4.0000	3.9992	3.9992	3.9992	-0.7250	-0.7250	-0.7250	-0.7250	-0.7250	0.0000	44.164
2	1450	5.6000	5.5995	5.5996	5.5994	1449.5469	1449.6375	1449.4563	1449.5469	-0.4531	0.0906	44.164
3	2901	7.2011	7.1990	7.1990	7.1989	2899.0938	2899.0938	2899.0031	2899.0636	-1.9364	0.0000	44.164
4	4351	8.8011	8.7989	8.7988	8.7987	4349.0031	4348.9125	4348.8219	4348.9125	-2.0875	0.0906	44.164
5	5802	10.4022	10.4034	10.4035	10.4036	5803.0812	5803.1719	5803.2625	5803.1719	1.1719	0.0907	44.164
6	7252	12.0022	12.0075	12.0077	12.0076	7256.7969	7256.9781	7256.8875	7256.8875	4.8875	0.1812	44.164
7	8702	13.6022	13.6087	13.6089	13.6088	8707.8844	8708.0656	8707.9750	8707.9750	5.9750	0.1812	44.164
8	10153	15.2033	15.2108	15.2109	15.2107	10159.7875	10159.8781	10159.6969	10159.7875	6.7875	0.0906	44.164
9	13053	18.4033	18.4121	18.4122	18.4123	13060.9656	13061.0562	13061.1469	13061.0562	8.0562	0.0906	44.164
10	14504	20.0044	20.0134	20.0133	20.0134	14512.1438	14512.0531	14512.1438	14512.1136	8.1136	0.0907	44.164

Digital Signature of Laboratory:

REVA PHOENIX LABS AND CONSULTANTS
PRIVATE LIMITED

Date: 07/01/2025 18:55:51 +05:30

Reason: Calibration Certificate

Location: Chennai

Calibrated By		Reviewed & Approved By Authorized Signatory		m.21
Identification	RPL-TM-02	Identification	Jayasree Manikandan	



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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. Calibration Certificate pertains only to the particular item(s) submitted and reported for calibration and shall not be reproduced except in full, without the written approval from our Laboratory.
9. Results reported in Calibration Certificate are valid at the time of and stated conditions of measurement of UUC.
10. 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.
11. 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.
12. 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.
13. 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.
14. Any corrections | changes | erasing | modifications | unauthorized Seal, Stamp or Signature on this Calibration Certificate invalidate this Certificate.
15. Unless otherwise specified, the measurement data reported is considered 'As found data - without any adjustments.'
16. Decision Rule: No conformity statement (Pass | Fail | Accepted | Rejected) is provided, unless otherwise indicated on report.
17. NABL Guideline 133 is adopted for the use of NABL Symbol.
18. 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.
19. Only Digital calibration Certificate in soft, valid and prepared as per ISO/IEC 17025:20217 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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JAYASREE REVA PHOENIX METROLOGY PVT.LTD.

जयश्री रेवा फीनिक्स मेट्रोलोजी प्राइवेट लिमिटेड

CALIBRATION | INSPECTION | TESTING | TRAINING | SERVICES

ISO/IEC 17025:2017 ACCREDITED & ISO 9001:2015 CERTIFIED LABORATORY



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

Director | Managing Director

Reva Phoenix Labs & Consultants Private Limited

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Our Accredited Calibration Laboratories:

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- Mechanical - Dimension - Precision Instruments
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- Mechanical - Impact Testing Machine
- Mechanical - Mass & Volume, Weighing Scale & Balance, Weights
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- Mechanical - Pressure Indicating Devices
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Calibration Services

Mechanical | Dimension – All Basic & Precision Equipment | CMM Calibration | Pressure – Upto 4000 Bar | Torque – upto 3000 Nm | Mass E1 | Volume – Micro Pipette | Electro-Technical MFC & Oscilloscope | Thermal – Furnace Mapping & Pyrometer upto 1750°C | Force | Optics | Light Source | Lux Meter (1 to 2,00,000 Lux) | Acceleration | Speed | Tachometer | Rubber Hardness Tester | Fluid Flow | Anemometer | Acoustics | Mechanical Calibration | Rockwell | Brinell | Vickers | Micro-Vickers | UTM Calibration | UTM CTM TTM | Impact Testing Machine Calibration | Force Gauge | Push Pull Gauge | Leeb's Hardness | Portable Hardness Tester | Dynamic Hardness Tester | E1 Calibration | Density & Viscosity | Air Flow Meters | pH Meter | Conductivity Meter | Lab Master Equipment Calibration | Gauss | Reference Magnet | 3 Energy & Power | Liquid Flow Meter | Vibration | Portable Vibration Calibrator | Torque Sensor Upto 2000 Nm

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- End of Calibration Certificate -

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