



YEA

☎ : 033 2677 1411/1412, 2667 1909

YOUNG ENGG. & CALIBRATION SERVICES PVT. LTD.

Admn. Office & Lab : Kamardanga Road (Opp. Tarama Ashram), Ichapur, Howrah - 711 104

E-mail : calibration@yeagroup.org ★ Visit us at : www.yeagroup.org

CIN : U74140WB2005PTC106389 ★ Toll Free Help Desk : 1800 345 9001

Calibration Certificate

Certificate No.: YEA(C)/ 230726/C875/008
ULR No. : CC222123000009973F

Dated : 31.07.2023

Calibrated for : **Central Pollution Control Board**
Southend Conclave 1582, Rajdanga Main Road,
Kolkata - 700107, West Bengal, India.

Calibrated on.	Next Calibration Due On.	Page No.	No. of Pages
29.07.2023	29.07.2024	1	2

Description of Instrument

Name : Vacuum Gauge
Identification : P610.L0.0L
Range : (-)760 to 0 mmHg
Least Count : 10 mmHg
Make : Midlands & Co.

Service Request No. / Order Reference

: 230726/C875/001-016

Receipt of Instrument

: 26.07.2023

Location where calibration performed

: At permanent laboratory

Applicable Specification of Instrument to be Calibrated

: Not Specified

Condition of Instrument to be Calibrated

: Satisfactory

Basis of Calibration

: Comparison method with reference to YEA/WI/M-23

Environmental Condition during Calibration

: *Temp.* : 23±1.5°C *RH* 50±10%

Equipment used for Calibration

: Standard Digital Compound Gauge & Pressure Comparator

Traceability

: To National Standard vide Certificate No:
YEA (C)/221118/Y001/001 valid till 17.11.2023

Measurement Uncertainty

: The figures are stated in the result at coverage factor
 $k = 2$ corresponding to confidence probability of
95% for normal distribution.

Laboratory Identification

: Sticker is affixed for authentication of calibration.



CC-2221

The above Instrument/Equipment/Machine has been calibrated &
The results are given in the page 2 to 2 ...of the Certificate.

Conf. 2

YEA(C)/F-08





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Certificate No.: YEA(C)/ 230726/C875/008

ULR No. : CC22212300009973F

Calibrated By : A. Adhikary

Date: 31.07.2023

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Calibration Results

Mechanical Calibration

A) Calibration Result of Vacuum Gauge :

Sl. No.	DUC Value	Standard Value (bar)		Average Standard Value	Corresponding Std Value	Deviation	Error of reading	Measurement Uncertainty (± % of Rdg.)
	(mmHg)	(up)	(down)	(bar)	(mmHg)	(mmHg)	%	
1	0	0.000	0.001	0.001	0.375	-0.375
2	-100	-0.1361	-0.1367	-0.1364	-102.3084	2.3084	-2.3084	2.649
3	-200	-0.2744	-0.2758	-0.2751	-206.3419	6.3419	-3.1710	1.659
4	-300	-0.4099	-0.4113	-0.4106	-307.9753	7.9753	-2.6584	1.106
5	-400	-0.5445	-0.5466	-0.5456	-409.1961	9.1961	-2.2990	1.038
6	-500	-0.6813	-0.6835	-0.6824	-511.8420	11.8420	-2.3684	0.864
7	-600	-0.8147	-0.8175	-0.8161	-612.1252	12.1252	-2.0209	0.855
8	-700	-0.9468	-0.9492	-0.9480	-711.0583	11.0583	-1.5798	0.659

DUC : Device Under Calibration

REMARKS : The above Vacuum Gauge has been calibrated upto (-)700 mmHg and the readings are tabulated above.

NOTES : This certificate refers to the results tabulated at the time of calibration only for the above mentioned item submitted for calibration and this should not be reproduced, other than in full except with prior written approval from the head of calibration laboratory.

Authorised By


A. Das

Manager Calibration

*** End of the Calibration Certificate ***

