

Calibration Certificate

Certificate No.: YEA(C)/ 230726/C875/006

Dated : 31.07.2023

ULR No. : CC222123000009971F

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
28.07.2023	28.07.2024	1	2

Description of Instrument

Name : K-Type Thermocouple
Identification : VPK-20B
Working Range : 500 to 1000 °C
Make : N / F

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/T-08

Environmental Condition during Calibration : *Temp.* : 25±4°C *RH* : 30 to 75%

Equipment used for Calibration : Standard Data Acquisition Unit & Standard R Type Thermocouple

Traceability : To National Standard vide Certificate No:
YEA(C)/ 221221/Y001/001 valid till 20.12.2023
TL/023/175.1.1 valid till 08.02.2024

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.

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

Cont. 2



CC-2221



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

Certificate No.: YEA(C)/ 230726/C875/006

ULR No. : CC222123000009971F

Calibrated By : K. Rout

Date: 31.07.2023

Page 2 of 2 Pages

Calibration Results

Thermal Calibration

Calibration Results of Thermocouple :

Sl. No.	Average DUC Value		Average Standard Value	Measurement Uncertainty
	(mV)	(°C)	(°C)	(± °C)
1	23.6353	570.15	649.20	1.60
2	27.9707	672.42	697.81	
3	31.7590	763.18	746.43	
4	36.7759	886.27	796.91	
5	40.9334	991.23	796.91	

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above K-Type Thermocouple has been calibrated 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 ***

