

Data Logger Details for "Cool Room" at SILIGURI		
Sr.No.	Data Logger Alias (In Report)	Data Logger ID
1	S101	VCVS/100/101
2	S102	VCVS/100/102
3	S103	VCVS/100/103
4	S104	VCVS/100/104
5	S105	VCVS/100/105
6	S106	VCVS/100/106
7	S107	VCVS/100/107
8	S108	VCVS/100/108
9	S109	VCVS/100/109
10	S110	VCVS/100/110
11	S111	VCVS/100/111
12	S112	VCVS/100/112
13	S113	VCVS/100/113
14	S114	VCVS/100/114
15	S115	VCVS/100/115
16	S116	VCVS/100/116
17	S117	VCVS/100/117
18	S118	VCVS/100/118
19	S119	VCVS/100/119
20	S120	VCVS/100/120
21	S121	VCVS/100/121
22	S122	VCVS/100/122
23	S123	VCVS/100/123
24	S124	VCVS/100/124
25	S125	VCVS/100/125
26	S126	VCVS/100/126
27	S127	VCVS/100/127
28	S128	VCVS/100/128
29	S129	VCVS/100/129
30	S130	VCVS/100/130
31	S131	VCVS/100/131
32	S132	VCVS/100/132
33	S133	VCVS/100/133
34	S134	VCVS/100/134
35	S135	VCVS/100/135

36	S136	VCVS/100/136
37	S137	VCVS/100/137
38	S138	VCVS/100/138
39	S139	VCVS/100/139
40	S140	VCVS/100/140
41	S141	VCVS/100/141
42	S142	VCVS/100/142
43	S143	VCVS/100/143
44	S144	VCVS/100/144
45	S145	VCVS/100/145
46	S146 AMB	VCVS/100/146



CALIBRATION CERTIFICATE



वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई ४०००२२
INSTITUTE FOR DESIGN OF ELECTRICAL
MEASURING INSTRUMENTS, MUMBAI - 400 022



Work Order No. : WO / TRL / 125 / 23-24
Work Order Date : 18 / 01 / 2024
Date of Receipt : 18 / 01 / 2024
Discipline : Thermal Calibration(Group:Temperature)
URL No. CC228724200000023F
Certificate No. CC / TRL / 0193 / 23-24
Date of Calibration : 19 / 01 / 2024 to 20 / 01 / 2024
Page 1 of 2

Calibration for : M/s. Vega Calibration And Validation Services LLP
C/105, Jaswanti Allied Business Center, Kachpada,Ramchandria
Lane Extn., Malad West, Mumbai 400064, Maharashtra.

Calibrated at : IDEMI, Mumbai - 22.

Description of Device Under Calibration	Standards Used
Name : 6.5 Digital Multimeter With SSPRT Sensor Manufacturer : Keysight + Tempens Condition of Item : Good on receipt : Good Multimeter Range : AS Per Manual Sensor Range : -200°C to 660°C Resolution : 0.001°C Multimeter Sr. No. : SG53200183 Sensor Sr. No. : 471 Multimeter ID No. : VCVS/MM/K01 Sensor ID No. : VCVS/SSPRT/7/01 Multimeter Model No. : 34461A Sensor Model No. : Not Specified Diameter of Sensor : Approx. 6 mm Length of Sensor : Approx. 445 mm	1. PRT(Pt25), ID. No. TRL / STD / PRT / 002 Certificate No.: CC/TRL/0017/23-24 Calibration Valid up to 09 / 05 / 2024 2. Precision thermometry Bridge ID No. TRL / STD / PTB / 001 Certificate No.CCECU/010123-24 Calibration valid up to 01 / 05 / 2024 All measurement results are traceable to the International system of units (SI), ensured by Comparison directly or indirectly with National or International standards through unbroken Chain of calibration.

Ambient Temperature : 22 to 24°C

Relative Humidity : 58 to 60%

Remarks : Please refer page 2 for Calibration Results.

Procedure of calibration : The above mentioned item is calibrated as per Operating

1. Procedure : OP : TRL : 003
2. The reported expanded uncertainty in measurement is stated as the combined standard uncertainty in measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

3. Minimum Immersion depth was kept at 150 mm during calibration.

4. Calibration Status : Sticker No.0193 indicating 'CAL STATUS' affixed on the instrument.

5. Our Accreditation number is CC-2287 & it is valid up to 30 / 08 / 2025

6. Temperature Scale used- International Temperature Scale 1990 (ITS- 90)

7. Next Calibration Due on : 19 / 01 / 2025

Remark :

- 1) The readings of Temperature represent the mean of five readings.
- 2) Calibration is carried out by comparison method.
- 3) Calibration points selected as per the customers requirement.

Nishant
Pawaskar

Digitally signed by
Nishant Pawaskar
Date: 2024.02.29
10:21:47 +05'30'

AUTHORISED SIGNATORY

Note:

1. This certificate refers only to the particular item(s), submitted for calibration. The certificate should not be reproduced except in full without the prior permission from the Principal Director, IDEMI, Mumbai - 400 022.
2. This is computer generated certificate and may not contain signature. Where send by email, this is signed with digital signature of authorized signatory, approved by NABL. For any queries, please quote work order number mentioned in this certificate



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INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS, MUMBAI

संयुक्त राष्ट्र संघ शांति स्तंभ
Government of India Society
Ministry of Science and Technology
वैद्युतिक मापन उपयंत्र अभिकल्प संस्थान, मुंबई

Swastanayveer: Tanya Tope Marg, Churnabhatti, Sion, P.O. Mumbai - 400 022
FF-LAB-003 Rev. 01



Nishant
Pawaskar

Digitally signed
by Nishant
Pawaskar
Date: 2024.02.29
10:22:25 +05'30'

Authorised Signatory

END OF CALIBRATION CERTIFICATE

FF-INS-09
CC-2287

CALIBRATION RESULTS

Standard Reading in °C	DUC Reading in °C	Deviation in °C	Expanded uncertainty in (±) °C at $k=2$
-94.7502	-94.264	0.4862	0.1
-29.9035	-29.608	0.2955	0.1
0.0404	0.354	0.3136	0.1
24.9729	25.348	0.3751	0.1
99.8162	100.395	0.5788	0.1
249.9634	250.558	0.5946	0.2
299.9357	300.645	0.7093	0.2