

# Calibration Certificate

<b>UNIT DESCRIPTION:</b>	DEEP FREEZER	<b>MODEL NO.:</b>	RQVD-300 PLUS LED
<b>SR. NO.:</b>	ZJKD - 37453	<b>CERTIFICATE NO.:</b>	RITC - 3171/11/23
<b>NAME OF CUSTOMER:</b>			
<b>ADDRESS OF CUSTOMER:</b>			
<b>CALIBRATION DATE:</b>	30.11.2023	<b>CAL. VALIDITY:</b>	29.11.2024

**DETAILS OF EQUIPMENT USED FOR CALIBRATION**

NOTE: Tick  mark where as applicable.

Digital Lab Thermometer <input checked="" type="checkbox"/>	LCD Tachometer <input type="checkbox"/>	Digital Stop Watch <input type="checkbox"/>
Auto Ranging R.P.M. Meter <input type="checkbox"/>	Digital Strobe <input type="checkbox"/>	Weight Set <input type="checkbox"/>
Digital Temperature Indicator <input type="checkbox"/>		

Sr. No.	Description	Certified By	Instrument Id. No.	Certificate No.	Calibration Date	Validity
01	Digi. Lab. Thermo.	AUTOCAL	2151214	C2352055/T/01	11.05.2023	10.05.2024

**OBSERVATIONS:**

Sr. No.	Instrument Temp. Displayed (°C)	Indicator Temp. (°C)	Temp. Deviation	Remark
01	28	27.8	0.2	OK
02	-40	-39.4	0.6	OK

- NOTE:**
1. Calibration Traceable to national standards.
  2. Overall deviation is within specified accuracy.
  3. Result is related only to the item calibrated.
  4. Maximum tolerance permissible is  $\pm 1^\circ\text{C}$  &  $\pm 5^\circ\text{C}$  whichever is applicable and RPM  $\pm 2\%$  FSD and  $\pm 5\text{gm}$  to set weight

REMARKS: ACCEPTED



CALIBRATED BY: HEMANT

APPROVED BY: MANAGER Q. A.

**CALIBRATION CERTIFICATE**

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**THERMAL DISCIPLINE**

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ULR No.	CC23822300001047F		
Certificate No	C2352055/T/1	Issue Date	15/05/2023
Date of calibration	11/05/2023	Next Calibration Date	10/05/2024

Service Request Form No.	C2352055		
Calibrated For	Remi Elektrotechnik Ltd (Instrumentation division) Bldg. B, Survey No. 65/1, Village Valiv, Vasai (East) Vasai Dist. Palghar Maharashtra India 401208		
Date of Receipt of Instrument	10/05/2023		
Condition of Instrument on Receipt	Working	Calibration at	Lab
Environmental Conditions	Temperature 23.7 °C	Relative Humidity	60.2 %RH

Details of Unit Under Calibration (UUC)			
Instrument	Temperature Indicator With Sensor	Equipment	NA
Make:	10 N	Equipment Id	NA
Model No.:	Multi 49	Department	NA
Sr. No:	2151214	Section	NA
Tag/Id. No	NA	Location:	NA
Procedure No	WI/ASPL/CAL/TH/01	Ref. Used:	ITS-90

Range	Resolution / Least Count	Accuracy/ Acceptance Criteria
(-100) to 300 °C	0.1 °C	Not Specified

Details of Standard(s) used for Calibration (Traceable to National & International Standards)				
Description	Make & Model	Serial No. & Identification No	Traceability (Certificate No.)	Valid Up To
Standard Platinum Resistance Thermometer	Fluke / 5699	1019 / STD/P/TH/02	IDEMI, Mumbai CC/TRL/0122/22-23	15/09/2023
Precision Temperature scanner with Multiplexer	Fluke / Scanner:1586 Super-DAQ, Multiplexer: 1586-2588 DAQ-STAQ	Scanner:29440013, Multiplexer:29450019 & 29450001 / STD/P/TH/04, STD/P/TH/04-A, STD/P/TH/04-B	ASPL nashik C22122264/N/ET/03	09/12/2023

**Measurement Results**

Parameter :Temperature | Discipline:Group :- Thermal : Temperature

Range	Test Point	Reading On UUC	Reading on STD	Error	Expanded Uncertainty	Coverage Factor (k)
	°C	°C	°C	°C	°C	
(-100) to 300 °C	-86	-86.2	-86.015	-0.185	±0.086	2
	-40	-40.3	-40.029	-0.271	±0.086	2
	-20	-20.3	-20.032	-0.268	±0.086	2
	50	50.2	50.039	0.161	±0.085	2
	100	100.4	100.042	0.358	±0.085	2

**Remark**

- The reported expanded uncertainty of measurement is stated as a standard uncertainty of measurement multiplied by coverage factor "k=2" such that the coverage probability corresponds to approximately 95% confidence level.
- The measured values mentioned are the average of 5 readings.
- Measured readings have been mentioned.



Authorised Signatory	Prashant Jadhav
	Lab Incharge
Calibrated By	Riddhi Patil
	Calibration Engineer



*Jadhav*  
15105123  
Authorised Signatory





**Autocal Solutions Private Limited**

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<b>ULR No.</b>	<b>CC238223000001047F</b>		
<b>Certificate No</b>	<b>C2352055/T/1</b>	<b>Issue Date</b>	<b>15/05/2023</b>
<b>Date of calibration</b>	<b>11/05/2023</b>	<b>Next Calibration Date</b>	<b>10/05/2024</b>

**Notes**

1. This certificate refers only to the particular item calibrated at site / laboratory.
2. The calibration results reported are valid at the time of and under the stated conditions of measurement.
3. Any correction in this certificate invalidates this certificate.
4. This certificate shall not be reproduced except, in full without the written approval from the Laboratory.
5. Calibration of UUC done by any accredited laboratories is meant for scientific and industrial purpose only. However, if used for commercial trading, additional recognition/ approval shall be complied as required by Dept. of Legal metrology, Regulatory bodies, etc.



Authorised Signatory	Prashant Jadhav
	Lab Incharge
Calibrated By	Riddhi Patil
	Calibration Engineer



*Jadhav*  
15105123

Authorised Signatory