



AUTOCAL SYSTEMS

Calibration of Biomedical, QA of Radiology, Thermal, Mechanical, Electrotechnical, Mass, Volume, Weights, Mapping and Validation Testing Services of Laminar Air Flow, Biosafety Cabinet, OT Validation, AHU and Calibration Facility in Lab / Onsite.



CALIBRATION LAB

CALIBRATION CERTIFICATE

1. CUSTOMER :- SYNERGEN DIAGNOSTICS UNIT NO.-105, SAI CHAMBERS,WAKADEWADI, SHIVAJINAGAR, PUNE-411003. Ambient Temp. :- (25 ± 4) ⁰ C RH :- < 70% Location of calibration :- In Lab Condition of Item :- OK	Page No :- 1 of 1 Date of Receipt :- 7-4-2022 Service Request No. :- Certificate No. :- TM-01 Date of Calibration :- 7-4-2022 Next Calibration Due On :- 6-Apr-23 Calibration method No. :- ACS/CM-202
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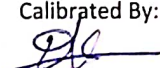
2. Description of Item	
Name :- REFRIGERATOR THERMOMETER-01 ID. No. :- SD/IN/RF/T-01 Make :- MULTI STEM Type :- DIGITAL Sr No :- NA	Range :- -50 TO 300 °C Resolution :- 0.1 °C Specified Accuracy :- 1 Location :- PATHOLOGY LAB

3.Detail of Equipment used for calibration	
Name :- Temp Ind With RTD Sensor Make/I.D No. :- Masibus/ACS-EQP-05 Certificate No. :- NI/2110/031/001 Certified By :- Nishitronics Calibration Validity :- 12-Oct-22	


4.Calibration Results :-				
Calibration Points °C	Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ±°C
-30	-30.1	-29.9	0.2	0.7
-10	-10.2	-10.3	-0.1	0.7
0	0.0	0.0	0.0	0.7
100	100.2	100.4	0.2	0.7
200	200.3	200.6	0.3	0.7

Note:

- 1) The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to coverage probability of approximately 95% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration UUC stands for Unit Under Calibration
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications and Calibration report traceble to National or International Standard.
- 5) This certificate shall not be reproduced,except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Autocal Systems,Pune"

Calibrated By: 
Calibration Engineer
(Mr Deepak Kumar)

*** End Of Certificate ***

Approved By: 
Technical Manager
(Mr. Ankush Bagde)



BIO CERTIFICATE



CC-2294



Nishitronics Instrumentation

► Service Engineers
► Calibration Services in Industrial Process Control
Network for Customers Satisfaction

CALIBRATION CERTIFICATE

CUSTOMER	-	AUTOCAL SYSTEMS 83/526, Near D.Y. Patil Engg. College, Sant Tukaram Nagar, Pimpri, Pune - 411018.	Page No Discipline ULR No Certificate No Date of issue Date of receipt Date of calibration Cal Req No Next Due Date Parameter Calibration method no	1 of 1 Thermal Calibration UIR-CC229421000004703F - NI/2110/031/001 - 13/10/2021 - 12/10/2021 - 13/10/2021 - NI/2110/031/001 - 12/10/2022 - Temperature - NI / CP / T / 01
Amb Temp	-	25 ± 2 °C		
Rh	-	45 to 75 %RH		
Location of calibration	-	LAB		
Characteristic and Condition of items	-	OK		

Details of Items

Name	-	Digital Temp Indi With RTD sensor	Range	-	-30 to 300 °C
Make	-	Masibus	Type	-	PT-100
Model	-	409	L.C.	-	0.1 °C
ID No	-	ACS-EQP-05	Accuracy	-	± 0.50 °C
Sr No	-	--			

Details of Equipment used for Calibration

Name	-	SSPRT WITH INDICATOR
Calibrated by	-	Godrej & Boyce Mfg Co Ltd
Certificate No	-	M-200608-3-1
Validity	-	07/06/2022

OBSERVATION

Cal Point °C	Std. Reading °C	UUC Reading °C	Error In °C	Expanded Uncertainty
-30	-30.177	-30.0	0.18	± 0.06 °C
0	0.198	0.0	-0.20	± 0.06 °C
25	25.127	24.9	-0.23	± 0.06 °C
50	49.949	49.7	-0.25	± 0.06 °C
100	99.929	99.6	-0.33	± 0.1 °C
200	199.888	199.5	-0.39	± 0.1 °C
300	299.831	299.4	-0.43	± 0.1 °C

The reported measurement uncertainty is estimated at a level of confidence of approximately 95 % with a coverage factor k of 2

Remarks :-

- 1) Result are related only to the item calibrated
- 2) This certificate refers only to the particular items submitted for calibration
- 3) This certificate shall not be reproduced except in full without our prior permission in writing
- 4) The calibration results reported in this particular certificate are valid at the time of an under stated condition of measurement
- 5) Standard used for calibration were traceable to National / International standard
- 6) Readings given above are as on received condition of an instrument
- 7) Immersion Depth of UUC was 90 mm in Polyscience Liquid Bath
- 8) Immersion Depth of UUC was 90 mm in CALSYS 250 Oil Bath
- 9) Length of Sensor = 300 mm.
- 10) Diameter of Sensor = 6 mm.

Calibrated by

(T A Chougale)
(Technical Assistant)



Authorized Signatory

(V B Hingmire) / (S B Hingmire)
(Technical Manager)

Form No NI/F/7 B/T/01

Form Rev No 0

Effective Form Date 20/11/2019

Issue No 03

Issue Date 20/11/2019