



GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276302207 / 9028888728



CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER :-	Page No.	:- 1 of 1
ICTC 1 CENTRE South Goa District Hospital, MADGAON, GOA	SRF No	:- GTS/220930/02
	Certificate No.	:- GTS/220930/02-002
Ambient Temp. (°C) :- 21 to 40	Date of Received	:- 30.09.2022
	Date of Calibration	:- 30.09.2022
Relative Humidity (%RH) :- 30 to 75	Next Calibration Due On	:- 29.09.2023
Location of calibration :- On Site	Issue Date	:- 05.10.2022
Condition of Item :- Ok	Calibration method No.	:- TH-WI-02
	ULR No	:- CC295722000010163F

2. Description of Item

Name :- TIWS (Refrigerator)	Range :- 0 to -20/2 to 8 °C
Id No :- ICTC/HOS/HOSPITAL/MADGA ON/4-4/2019	Least Count :- 1 °C
Make :- HAIER	Location :- ICTC LAB
Type :- --	Sr No :- --
	Dept. :- GSACS

3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2205/059/002	Nishitronics Instrumentation	GTS/PTH/01	22.05.2023

*Thermal Calibration

4.Calibration Results :-

Calibration Points °C	Corrected Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ± °C
-20	-20.17	-20	0.17	0.50
2	1.75	2	0.25	0.50
5	4.86	5	0.14	0.50
8	7.90	8	0.10	0.50

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 a coverage probability of approximately 95.45% 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.
- 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 "Global Technical Services, Pune".
- 6) Type of immersion : Partial
- 7)The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

Calibrated By

Rohit

Calibration Engineer

Rohit.L

Approved By

Swarnil

Technical Manager

Swarnil Bhagwat



RF-55/01

End of Certificate

Email : globaltechnical007@gmail.com



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CALIBRATION CERTIFICATE

1. CUSTOMER :-

ICTC 1 CENTRE

South Goa District Hospital, MADGAON, GOA

Ambient Temp. (°C) :- 25±4
Relative Humidity (%RH) :- 30 to 75
Location of calibration :- In Lab
Condition of Item :- Ok

Page No. :- 1 of 1
SRF No :- GTS/220930/02
Certificate No. :- GTS/220930/02-003
Date of Received :- 30.09.2022
Date of Calibration :- 30.09.2022
Next Calibration Due On :- 29.09.2023
Issue Date :- 05.10.2022
Calibration method No. :- TH-WI-02
ULR No :- CC295722000010164F

2. Description of Item

Name :- Digital Thermometer Range :- -50 to 300 °C
Id No :- GSACS/NACP-IV/PPTCT-ICTC/HH/MAR/21-22 Least Count :- 0.1 °C
Make :- MULTI Location :- ICTC LAB
Type :- Digital
Sr No :- --
Dept. :- GSACS

3. Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2205/059/002	Nishitronics Instrumentation	GTS/PTH/01	22.05.2023

*Thermal Calibration

4. Calibration Results :-

Calibration Points °C	Corrected Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ± °C
-20	-20.20	-20	0.20	0.50
2	1.68	2	0.32	0.50
5	4.72	5	0.28	0.50
8	7.76	8	0.24	0.50

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 a coverage probability of approximately 95.45% 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.
- 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 "Global Technical Services, Pune".
- 6) Type of immersion : Partial
- 7) The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

Calibrated By

Rohit
Calibration Engineer
Rohit.L



Approved By

Swapnil
Technical Manager
Swapnil Bhagwat

RF-55/01

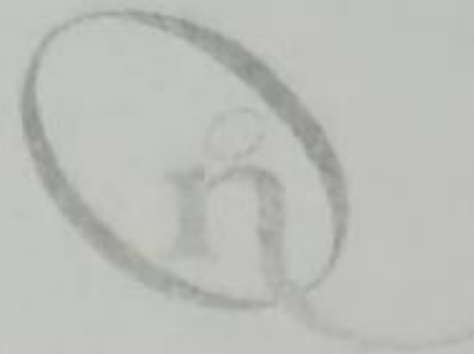
End of Certificate

Email : globaltechnical007@gmail.com

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CC-2294



**Nishitronics
Instrumentation**

• Service Engineers
• Calibration Services in Industrial Process Control
• *Quality for Customers' Satisfaction*

CALIBRATION CERTIFICATE

CUSTOMER :- Global Technical Services Sec No. 25, Plot No. 49/3, L.I.G. Colony, Pradhikaran Nigdi, Pune - 411044.	Page No. :- 1 of 1 ULR No. :- ULR-CC22942200002372F Discipline :- Thermal Calibration Certificate No. :- NI/2205/059/002 Date of issue :- 24/05/2022 Date of receipt :- 23/05/2022 Date of calibration :- 23/05/2022 Cal. Req No. :- NI/2205/059/002 Next Due Date :- 22/05/2023 Parameter :- Temperature Calibration method no. :- 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 :- Precision Thermometer Make :- CENTER Model :- 375 ID. No. :- GTS/PTH-01 Part No. :- 140811114	Range :- -100 to 400 °C L.C. :- 0.01 °C Type :- -- Accuracy :- Not Specified
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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

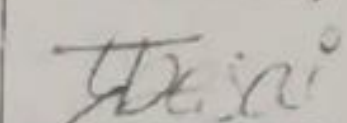
Cal. Point °C	Std. Reading °C	UUC Reading °C	Error In °C	Expanded Uncertainty
-38	-37.921	-37.98	-0.059	± 0.06 °C
0	0.050	-0.22	-0.270	± 0.06 °C
100	99.944	99.51	-0.434	± 0.08 °C
200	200.089	199.45	-0.639	± 0.08 °C
400	400.257	399.41	-0.847	± 0.12 °C

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

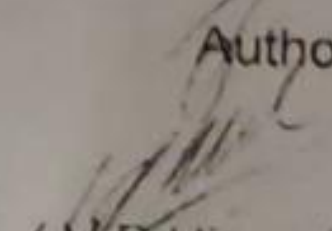
Remarks :-

- 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.

Calibrated by


(P.B.Desai)
(Tech. Asst)

Authorized Signatory


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

Form No. : NI/F/7.8/T/01

Form Rev. No. : 0

Effective Form Date:20/11/2019

Issue No : 03

Issue Date:20/11/2019