



GLOBAL TECHNICAL SERVICES

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

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CC-2957

CALIBRATION CERTIFICATE

1.CUSTOMER :-	Page No.	:- 1 of 1
ICTC 1 CENTRE North Goa District Hospital, MAPUSA, GOA	SRF No	:- GTS/220927/05
	Certificate No.	:- GTS/220927/05-003
Ambient Temp. (°C) :- 25±4 Relative Humidity (%RH) :- 30 to 75 Location of calibration :- In Lab Condition of Item :- Ok	Date of Recelved	:- 27.09.2022
	Date of Calibration	:- 27.09.2022
	Next Calibration Due On	:- 26.09.2023
	Issue Date	:- 04.10.2022
	Calibration method No.	:- TH-WI-02
	ULR No	:- CC295722000010170F

2. Description of Item

Name	:- Digital Thermometer	Range	:- -50 to 300 °C
Id No	:- GSACS/THERMO/PPTCT/NON /MAP/12-19	Least Count	:- 0.1 °C
Make	:- Multi	Location	:- ICTC 1 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	-20.14	-20	0.14	0.50
2	2.17	2	-0.17	0.50
5	4.79	5	0.21	0.50
8	7.85	8	0.15	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

SB
Technical Manager
Swapnil Bhagwat

RF-55/01

End of Certificate



CC-2294

Nishitronics
Instrumentation- Metrology Engineers
- Calibration Services in Industrial & Metrology
- Work for Customers Satisfaction

CALIBRATION CERTIFICATE

CUSTOMER :-	Global Technical Services Sec No. 25, Plot No. 49/3, L.I.G. Colony, Pradhhikaran 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
Amb. Temp :-	25 ± 2 °C	Cal. Req. No. :-	NI/2205/059/002
Rh. :-	45 to 75 %RH	Next Due Date :-	22/05/2023
Location of calibration :-	LAB	Parameter :-	Temperature
Characteristic and :-	OK	Calibration method no. :-	NI / CP / T / 01
Condition of items			

Details of Items

Name :-	Precision Thermometer	Range :-	-100 to 400 °C
Make :-	CENTER	L.C. :-	0.01 °C
Model :-	375	Type :-	-
ID. No. :-	GTS/PTH-01	Accuracy :-	Not Specified
Part No. :-	14081114		

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

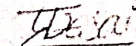
Cal. Point °C	Std. Reading °C	UUC Reading °C	Error In °C	Expanded Uncertainty
-38	-37.921	-37.98	-0.059	± 0.06 °C
0	0.050	-0.22	-0.270	± 0.06 °C
100	99.944	99.51	-0.434	± 0.08 °C
200	200.089	199.45	-0.639	± 0.08 °C
400	400.257	399.41	-0.847	± 0.12 °C

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

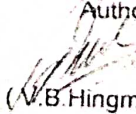
Remarks :-

- 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