



'Anjali Niketan', Flat No. 3, 2nd Floor,  
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**MASTERTECH  
SYSTEMS**  
WHEN QUALITY MATTERS

### CALIBRATION CERTIFICATE

Certificate No. :- 2223/0211/08 -01      ULR NO :- CC291123000008018F  
Date of Calibration :- 11-Feb-2023      Calibration Due Date :- 10-Feb-2024

**1. Customer Name & Address :**  
Health Horizon Diagnostics  
Varun Capital, Flat No.401 & 402,  
CTS No.364,365/13, FP No.713,714/13, Shivaji Nagar  
Pune-411005

SRF No. :- 2223/0211/08  
Date of Received :- 11-Feb-2023  
Cal. Cert. Issue Date :- 14-Feb-2023  
Condition of UUC :- OK  
Calibration Procedure No. :- MTS/TH/WI-06  
Loc. of Calibration :- In Lab

**2. Environmental Conditions:**      Temperature: 23.8 °C      Relative Humidity: 53 % RH

**3. Description of UUC**

Name :- Thermohygrometer      Range :- 0 to 50 Deg C      0 to 100 % RH  
Make :- indi      Resolution :- 0.1 Deg C      1 % RH  
I.D No. :- HDD/IN/TH/01      Model/Sr.No. :- indi6333/—  
Type :- Digital      Location :- —  
Accuracy :- NA

**4. Reference Standards used for calibration:**

Name :- Humidity Probe With Indicator  
Make / Model :- Polltech/PSI-RHT1B  
I.D No./Sr. No. :- MTS/TRHP-01  
Certificate No. :- FCS/2209/2801/001  
Calibration Validity :- 27-09-2023  
Certified By :- Fine Calibration Services  
Range/Uncertainty :- As per Certificates

**5. Calibration Results @ 50% RH**

Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty ±
	Deg C	Deg C	Deg C	Deg C	Deg C
1	5	5.5	5.34	0.16	1.17
2	25	25.5	25.26	0.24	1.17
3	50	50.6	50.20	0.40	1.17

**@ 25 Deg C**

Sr.No.	Calibration Point	UUC Reading	Standard Reading	Deviation	Expanded Uncertainty ±
	% RH	% RH	% RH	% RH	% RH
1	15	14	15.31	-1.31	2.39
2	55	54	55.36	-1.36	2.39
3	90	89	90.54	-1.54	2.39

**NOTES:**

- The value measured of uuc & standard are mean of 5 reading.
- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by coverage factor K=2, which corresponds to a coverage probability of approximately 95.45% for normal distribution
- This certificate refers only to the particular UUC submitted for calibration. UUC stands for Unit Under Calibration.
- The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from "Mastertech Systems" Pune.
- The Instruments used for calibration are traceable to National/International standards and their calibrations are valid.
- International Temp. Scale-1990 (ITS-90) is followed during calibration of above instrument.

Calibrated By

Ms. Prachita Nighojkar  
Calibration Engineer



Approved By

Mr. Daulat Shete  
Technical Manager

End of Certificate



# FINE CALIBRATION SERVICES

Plot No. 280, Sector No.21, Yamunanagar, PCNTDA, Nigdi, Pune - 411044 (MH)  
Mob.: 7276470703, Email : finecalibration@gmail.com



## CALIBRATION CERTIFICATE

### 1) Customer

<b>Name &amp; Address</b> Mastertech Systems Anjali Niketan, Flat No.3, 2nd Floor, Near Akurdi Bhaji Mandai, Viveknagar, Akurdi, Pune-411035.	Calibration Certificate No : FCS/2209/2801/001 ULR No : CC337822000000872F Date of Received : 28.09.2022 Date of Calibration : 28.09.2022 Calibration Due On : 27.09.2023 Date of Issue : 29.09.2022 Location of Calibration : In lab Work Instruction No : TH/WI/05
Amb. Temp. : 24.9 °C	
Relative Humidity : 53 %RH	
Condition of Item : Physically Ok	

### 2) Details of UUC

Name : Temp & Humidity Probe With Indicator	Range : -40 to 60 °C, 0 to 100 %RH
ID No : MTS/TRHP/01	L.C. : 0.01°C, 0.01%RH
Make & Model : Politech PSI-RHT1B	Sr No : 1421 / 20482480
Type : Digital	

### 3) Standard Used for Calibration

Name : Temp/RH Indicator with Sensor	SSPRT With Indicator
Certificate No : TSC/21-22/12279-2	NI/2112/012/001
Certified By : CC-2231	CC-2294
ID/Sr No : FCS/TRH/01	FCS/TS/01
Due Date : 04.12.2022	08.12.2022

### 4) Calibration Results : Thermal Calibration

#### a) Temperature @ 50 %RH

Calibration Point °C	Standard Readings °C	UUC Readings °C	Error °C	Expanded Uncertainty ±°C
5	4.98	4.95	-0.03	0.17
15	14.99	14.87	-0.12	0.17
25	24.98	24.83	-0.15	0.17
35	34.98	34.79	-0.19	0.17
50	49.97	49.77	-0.20	0.17

#### b) Humidity @ 25°C

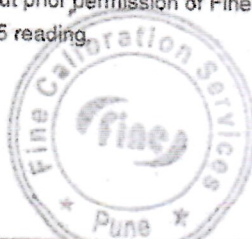
Calibration Point %RH	Standard Readings %RH	UUC Readings %RH	Error %RH	Expanded Uncertainty ±%RH
10	10.16	10.21	0.05	1.55
30	29.98	29.85	-0.13	1.55
50	49.97	49.73	-0.24	1.55
70	69.95	69.50	-0.45	1.55
95	94.93	94.42	-0.51	1.55

#### Note :

- The reported Expanded Uncertainty is calculated at 95.45 % Confidence level with coverage factor k=2.
- Equipment used for calibration were calibrated & traceable to National & International Standards.
- This report refers only to particular item (s) submitted for calibration. UUC stands for Unit Under Calibration
- The calibration results reported are valid at the time of and under the stated conditions of the measurements.
- This report shall not be reproduced in full / part without prior permission of Fine Calibration Services
- The value measured of uuc & standard are mean of 5 reading.

Calibrated By

NA  
Calibration Engineer  
Niraj A.



Approved By

Quality Manager  
Mr Shafik Chorgaste



\*\* End of the certificate \*\*