

Ultra Cal

Ultra Cal

42, 1st Floor, 60 Feet Main Road, Srinivasanagar,
Pattegarapalya, Bengaluru, Karnataka - 560072
info@ultra-cal.com



CC-2996

CALIBRATION CERTIFICATE

Customer Name & Address: M/s. **Diagnostica Span.,**
Ground Floor, Deccan Central, No. 79, 40th Main, MEI road,
2nd Stage, Industrial Suburb, Yeshwanthpura, Bangalore - 560022.

Customer's Reference:

SRF.No: 1219

DATE: 19 April 2023

CAL CERT. NO.	CALIBRATED ON	RECOMMENDED CAL DUE	PAGE NO.
UC/23/1219 - 09	20 April 2023	19 April 2024	1 of 2

ULR No.: CC299623000001433F

Date of Issue: 22 April 2023

Details of device under calibration (DUC):

DUC: ThermoHygrometer	Cal Procedure No: UC/CAL/407
Make: HTC	No. of Pages: 2
Model: HTC-1	DUC Received : 19 April 2023
SI. No: ---	DUC Condition on Receipt: Satisfactory
Id No : ---	Cal At: Thermal Lab, UltraCal

Environmental Conditions:

Temperature: 25 ± 4° C,

Humidity: 30 - 75%

Standards used:

SI. No.	Nomenclature	Make & Model	SI. No /ID No.	Basic Accuracy	Traceable to	Validity
1	Class A RTD	Techno Trade / PT-100	UC/TH-001	0.2 °C	Testcal	12 Dec 2023
2	Thermo Hygro Meter	Rotronic/HP32	5180094+2021 4101	0.8%	Transcal	09 July 2023
3	Temperature Recorder	Eurotherm / 6100A	PL1827001008- 2818-PL3	0.4°C	TestCal	12 Dec 2023
4	Humidity Chamber	Used As a Source				

Note:

- The Calibration Certificate relates only to the above DUC
- Publication or reproduction of this certificate in any form other than by complete set of the whole certificate & in the language, written, is not permitted without the written consent of Ultracal.
- Corrections/erasing, invalidate the Calibration Tester.
- Calibration of the DUC are traceable to National standards/International Standards
- Any error in this cert should be brought to our knowledge within 45 days from the date of this certificate.
- Results Reported are valid at the time of and under the stated conditions of measurements.
- The usage of NABL Symbol is as per NABL guidelines given in NABL-133.

Calibrated By:

Authorised By:


Deepak TS
(Calibration Engineer)


BanuPrakash GM
(Quality Manager)

ULR No.: CC299623000001433F

Results:

Temperature:

Range: 0 to 50 °C

LC: 0.1 °C

@ Constant 60 % RH

Sl. No.	STD. Reading in (°C)	DUC. Reading in (°C)	Deviation Observed In (°C)	Measurement Uncertainty (±) °C	K Factor
1	20.24	20.8	0.56	0.8	2.0
2	25.26	25.8	0.54	0.8	2.0
3	30.23	30.9	0.67	0.8	2.0

Humidity:

Range : 10 to 95 %

LC: 1 %

@ Constant 25°C


Sl. No.	STD. Reading in (%)	DUC. Reading in (%)	Deviation Observed In (%)	Measurement Uncertainty (±) %	K Factor
1	29.65	29	-0.65	1.90	2.0
2	59.69	59	-0.69	1.90	2.0
3	89.70	88	-1.70	1.90	2.0

Conclusion Remarks:-

1 Measurement Uncertainty reported is at 95 % confidence level.

Calibrated By:

Authorised By:


Deepak TS
(Calibration Engineer)


BanuPrakash GM
(Quality Manager)



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Customer's Reference: SRF.No: 1219 **DATE :** 19 April 2023

CAL CERT. NO.	CALIBRATED ON	RECOMMENDED CAL DUE	PAGE NO.
UC/23/1219 - 08	20 April 2023	19 April 2024	1 of 2

ULR No.: CC299623000001432F

Date of Issue: 22 April 2023

Details of device under calibration (DUC):

DUC: ThermoHygrometer	Cal Procedure No: UC/CAL/407
Make: HTC	No. of Pages: 2
Model: HTC-1	DUC Received : 19 April 2023
SI. No: ---	DUC Condition on Receipt: Satisfactory
Id No : ---	Cal At: Thermal Lab, UltraCal

Environmental Conditions: Temperature: $25 \pm 4^{\circ}\text{C}$, Humidity: 30 - 75%

Standards used:

SI. No.	Nomenclature	Make & Model	SI. No /ID No.	Basic Accuracy	Traceable to	Validity
1	Class A RTD	Techno Trade / PT-100	UC/TH-001	0.2 °C	Testcal	12 Dec 2023
2	Thermo Hygro Meter	Rotronic/HP32	5180094+2021 4101	0.8%	Transcal	09 July 2023
3	Temperature Recorder	Eurotherm / 6100A	PL1827001008- 2818-PL3	0.4°C	TestCal	12 Dec 2023
4	Humidity Chamber	Used As a Source				

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(Calibration Engineer)

Authorised By:


BanuPrakash GM
(Quality Manager)

ULR No.: CC299623000001432F

Results:

Temperature:

Range: 0 to 50 °C

LC: 0.1 °C

@ Constant 60 % RH

Sl. No.	STD. Reading in (°C)	DUC. Reading in (°C)	Deviation Observed In (°C)	Measurement Uncertainty (±) °C	K Factor
1	20.24	20.8	0.56	0.8	2.0
2	25.26	25.7	0.44	0.8	2.0
3	30.23	30.7	0.47	0.8	2.0

Humidity:

Range : 10 to 95 %

LC: 1 %

@ Constant 25°C

Sl. No.	STD. Reading in (%)	DUC. Reading in (%)	Deviation Observed In (%)	Measurement Uncertainty (±) %	K Factor
1	29.65	29	-0.65	1.90	2.0
2	59.69	59	-0.69	1.90	2.0
3	89.70	89	-0.70	1.90	2.0

Conclusion Remarks:-

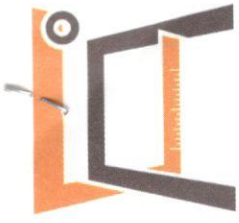
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Customer's Reference: SRF.No: 1219 **DATE :** 19 April 2023

CAL CERT. NO.	CALIBRATED ON	RECOMMENDED CAL DUE	PAGE NO.
UC/23/1219 - 07	20 April 2023	19 April 2024	1 of 2

ULR No.: CC299623000001431F

Date of Issue: 22 April 2023

Details of device under calibration (DUC):

DUC: ThermoHygrometer	Cal Procedure No: UC/CAL/407
Make: HTC	No. of Pages: 2
Model: HTC-1	DUC Received : 19 April 2023
SI. No: ---	DUC Condition on Receipt: Satisfactory
Id No : ---	Cal At: Thermal Lab, UltraCal

Environmental Conditions: Temperature: $25 \pm 4^{\circ}\text{C}$, Humidity: 30 - 75%

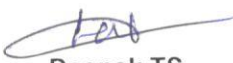
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SI. No.	Nomenclature	Make & Model	SI. No /ID No.	Basic Accuracy	Traceable to	Validity
1	Class A RTD	Techno Trade / PT-100	UC/TH-001	0.2 °C	Testcal	12 Dec 2023
2	Thermo Hygro Meter	Rotronic/HP32	5180094+2021 4101	0.8%	Transcal	09 July 2023
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Temperature:

Range: 0 to 50 °C

LC: 0.1 °C

@ Constant 60 % RH

Sl. No.	STD. Reading in (°C)	DUC. Reading in (°C)	Deviation Observed In (°C)	Measurement Uncertainty (±) °C	K Factor
1	20.24	20.5	0.26	0.8	2.0
2	25.26	25.5	0.24	0.8	2.0
3	30.23	30.6	0.37	0.8	2.0

Humidity:

Range : 10 to 95 %

LC: 1 %

@ Constant 25°C

Sl. No.	STD. Reading in (%)	DUC. Reading in (%)	Deviation Observed In (%)	Measurement Uncertainty (±) %	K Factor
1	29.65	29	-0.65	1.90	2.0
2	59.69	60	0.31	1.90	2.0
3	89.70	90	0.30	1.90	2.0

Conclusion Remarks:-

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