

LogTag North America

LogTag North America Inc., 10 Millpond Drive, Unit 10, Lafayette, New Jersey NJ 07848, United States of America

CERTIFICATE OF CALIBRATION of

Primary Dewpoint Temperature Reference

The Primary Dewpoint Temperature Reference instrument is used by LogTag North America to calibrate and verify all other in-house humidity reference instruments used for the verification and calibration of LogTag products. The measurements produced by the Primary Dewpoint Temperature Reference are traceable via this independent calibration to the International System of Metric Units which is in equivalence to NIST standards.

Equipment type: Chilled mirror hygrometer
Equipment Details: Michell Instruments Optidew serial # 120442 with Optidew Vision sensor serial # 120376 551
Last Calibrated: 15th to 23rd November 2023
Next Calibration due: 23rd November 2025
Calibration by: Measurements Standards Laboratory of New Zealand
Calibration report ref: Humidity/2023/603
Laboratory accreditation: IANZ

Calibration table

Table 1: Relative humidity corrections Δh calculated using Equation (1).

	0	1	2	3	4	5	6	7	8	9
0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
30	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
40	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9
50	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
70	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
80	0.8	0.7	0.7	0.6	0.6					
90										

This certificate is issued by: LogTag North America Inc.

Dated: 25th November 2023

Signed: 
LogTag North America Inc.