



# Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001



Cert. No.: 6452-**SAMPLE**

## Traceable® Certificate of Calibration for Excursion-Trac Datalogging

Manufactured for and distributed by : Traceable® Products 12554 Galveston Rd B230, Webster, TX 77598

### Instrument Identification:

Model: 6452,98767-14

S/N: **SAMPLE**

Manufacturer: Control Company

### Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Chilled Mirror Hygrometer	31874/1H2048MCR	11 Mar 2026	23120
Digital Thermometer	111879345	07 Aug 2026	4000-16109052
Digital Thermometer	130070751	01 Apr 2026	4000-15821737
Chilled Mirror Hygrometer	44654/2H3737	29 May 2026	23325
Climate Chamber	W613.0046		

### Certificate Information:

Technician: 333

Procedure: CAL-6452

Cal Date: 22 Aug 2025

Cal Due Date: 22 Aug 2027

Test Conditions: 60.64%RH 23.67°C 1019mBar

### Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
EXT %RH	N.A.	N.A.		25.53	25.3	Y	22.5	28.5	0.46	>4:1
EXT %RH	N.A.	N.A.		50.01	51.1	Y	47	53	0.46	>4:1
EXT %RH	N.A.	N.A.		75.66	74.1	Y	72.7	78.7	0.46	>4:1
EXT °C	N.A.	N.A.		25.188	25.0	Y	24.8	25.6	0.076	>4:1
EXT °C	N.A.	N.A.		50.213	49.9	Y	49.8	50.6	0.076	>4:1
INT %RH	N.A.	N.A.		50.15	50.2	Y	47.2	53.2	0.46	>4:1
INT °C	N.A.	N.A.		25.200	25.1	Y	24.8	25.6	0.076	>4:1

This certificate indicates Traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement : (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. Conformance based on Simple Acceptance as a Decision Rule, as defined in ILAC G8, with a measurement uncertainty value that will not exceed 50% of the tolerance unless otherwise stated by the customer. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ± U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min=As Left Nominal(Rounded) - Tolerance; Max= As Left Nominal(Rounded) + Tolerance;

Nicol Rodriguez, Quality Manager

Note :

### Maintaining Accuracy:

In our opinion once calibrated your Excursion-Trac Datalogging Hygrometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Excursion-Trac Datalogging Hygrometer change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

### Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

Issue Date : 22 Aug 2025

**CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598**  
**Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com**

Control Company is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.  
Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-ANAB.  
International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).