



CERTIFICATE OF CALIBRATION



SAMPLE CERTIFICATE. NO QA SIGNATURE



Certificate Number: 2017005536

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Manufacturer:	Roscid Technologies	RMA:	AC17081583
Model:	DewTran	Workorder:	2017005536
Description:	Chilled Mirror Hygrometer	Barcode:	AL00023867-P
Serial:	77170/261619/CBADBB	Received:	In Tolerance
ID:	N/A	Calibration Date:	14-Sep-2017
Customer:	ROSCID TECHNOLOGIES	Calibration Due:	14-Sep-2018
	800 W CUMMINGS PARK SUITE 2750	Temperature:	22.51°C
	WOBURN	Humidity:	52.1%RH
	MA, 01801 USA		

STATEMENT OF UNCERTAINTY: The reported expanded uncertainty of measurement is stated as the standard measurement uncertainty multiplied by the coverage factor $K = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 percent. Alpha Controls & Instrumentation Inc. certifies this instrument was calibrated on the date shown using standards traceable to NIST/NRC or accepted intrinsic standards and in compliance with ISO/IEC-17025:2005 and ANSI/NCSL Z540-1.

Any statement of compliance is made without taking measurement uncertainty into account and is based on UUT performance against required tolerance only. The customer must ensure equipment calibrated meets the intended use.

Tolerance is based on manufacturer specification if not stated otherwise. Calibration results relate to items calibrated only.

This certificate shall not be reproduced except in full without written approval of Alpha Controls and Instrumentation Inc.

STANDARDS USED

Description	Model	ID	Cal Date	Due Date
Two-pressure Humidity Generator	Thunder Scientific 2500	TRH-SRC-05	25-Jan-2017	25-Jan-2018

Notes: None

Performed by:

Slava Peciurov

(digitally signed)

Reviewed by:

(digitally signed)

Quality Management System is assessed and registered by Intertek as conforming to the requirements of ISO9001

Procedure: T/RH/P instruments: CAL VER /2500 (2.4.A) FOUND-LEFT (Pass)

Test Description	True Value	Test Results	Tolerance	Lower Limit	Upper Limit	Status	Uncertainty
TEMPERATURE TEST							
40.000 °C	39.974 °C	39.98 °C	±0.200 °C	39.77 °C	40.17 °C	Pass	7.0e-002 °C
HUMIDITY TEST @ 40C							
90.000 %RH	90.000 %RH	89.35 %RH	±2.000 %RH	88.00 %RH	92.00 %RH	Pass	7.2e-001 %RH

Procedure: Dewpoint/T/RH instruments: CAL VER /2500 (2.6.A) FOUND-LEFT (Pass)

Test Description	True Value	Test Results	Tolerance	Lower Limit	Upper Limit	Status	Uncertainty
DEWPOINT TEMPERATURE TEST							
38.000 °C	38.010 °C	37.87 °C	±0.200 °C	37.81 °C	38.21 °C	Pass	2.0e-001 °C

Procedure: T/RH/P instruments: CAL VER /2500 (2.4.A) FOUND-LEFT (Pass)

Test Description	True Value	Test Results	Tolerance	Lower Limit	Upper Limit	Status	Uncertainty
TEMPERATURE TEST							
70.000 °C	69.816 °C	69.80 °C	±0.200 °C	69.62 °C	70.02 °C	Pass	7.0e-002 °C
HUMIDITY TEST @ 70C							
90.000 %RH	90.000 %RH	90.41 %RH	±2.000 %RH	88.00 %RH	92.00 %RH	Pass	7.2e-001 %RH

Procedure: Dewpoint/T/RH instruments: CAL VER /2500 (2.6.A) FOUND-LEFT (Pass)

Test Description	True Value	Test Results	Tolerance	Lower Limit	Upper Limit	Status	Uncertainty
DEWPOINT TEMPERATURE TEST							
67.000 °C	67.409 °C	67.50 °C	±0.200 °C	67.21 °C	67.61 °C	Pass	2.0e-001 °C

END OF CERTIFICATE