



NVLAP Lab Code 200582-0

Thunder Scientific Corporation

623 Wyoming Blvd. SE • Albuquerque, NM 87123 • 505-265-8701

Certificate of Conformance

Customer: KAYMONT CONSOLIDATED INDUSTRIES
180 Oser Avenue, Hauppauge, NY 11788
Purchase Order: 020912-6
Item: Kaymont M2000SPCP Control Probe
ID Number: KCI 0715
Serial Number: 60835879
Quality Manual: CL-QM-01, Issue 6, 12 Feb 10
Procedure: CL-SOP-0227, Issue 4, 10 Jul 09
Calibration Date: 15 Feb 12
Cert. Number: 9846A

This certifies the above product was calibrated in compliance with ISO/IEC 17025:2005 and ANSI/NCSL Z540-1-1994; Part 1 using applicable Thunder Scientific procedures.

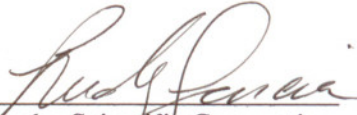
At planned intervals, Thunder Scientific measurement and generation standards are calibrated by comparison to or measurement against national standards, natural physical constants, consensus standards, or by ratio type measurements using self-calibrating techniques.

National standards are administered by the National Institute of Standards and Technology (NIST) or other recognized national standards laboratories.

The environment in which this instrument was calibrated is maintained within the operating specifications of the instrument and the standards.

At the time of shipment, this instrument did meet published operating/user specifications at the required test points and was in conformance to the procurement document requirements. Refer to calibration report.

Supporting documentation relative to traceability is on file and is available for examination upon request.


Thunder Scientific Corporation

This report shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results relate only to the items tested or calibrated. This report shall not be reproduced except in full, without the written approval of Thunder Scientific Corporation.

THUNDER SCIENTIFIC CORPORATION

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REPORT OF CALIBRATION

Customer: KAYMONT CONSOLIDATED INDUSTRIES

180 Oser Avenue, Hauppauge, NY 11788

Purchase Order Number: 020912-6

Item: Kaymont M2000SPCP Control Probe, s/n 60835879 ID# KCI 0715

Calibration Required: As Left at 10, 35, 80 and 95 %RH @ 23 °C

Cert. Number: 9846A

Quality Manual: CL-QM-01, Issue 6, 12 Feb 10

Procedure Used: CL-SOP-0227, Issue 4, 10 Jul 09

Calibration Date: 15 Feb 12

Ambient Conditions: 24 °C (±2 °C) & 40% RH (±20%)

Test Gas: Air

Std Used: TSC 2500ST EN0005 exp 29 Apr 12

±0.5% RH uncertainty k=2

±0.1 °C DP uncertainty k=2

±0.06 °C uncertainty k=2

±0.05 psiA uncertainty k=2

TSC humidity generators produce an atmosphere of known humidity based on the "two-pressure" principle. This calibration is traceable to NIST through pressure via GE Infrastructure Sensing report #'s 09062616360, 090625L-211, and 090626V-300, through temperature via Hart Scientific report #'s A9529079 & A9603020, and through humidity via NIST test # 279955-10. **U** (Measurement Uncertainty) is the RSS (root sum square) of the standard deviation of the UUT's error over the test range, UUT resolution and the uncertainty of the standard, with a coverage factor of k=2 at a 95 percent confidence level.

As Left Data:

Ref %RH	UUT %RH	Error %RH	U %RH	Ref °C DP	UUT °C DP	Error °C DP	U °C DP	Ref °C	UUT °C	Error °C	U °C	Ref psiA
10.00	10.00	0.00	0.52	-10.26	-10.24	0.02	0.13	23.02	23.01	-0.01	0.08	12.102
35.00	34.93	-0.07	0.52	6.74	6.72	-0.02	0.13	23.01	23.01	0.00	0.08	12.108
80.01	80.08	0.07	0.52	19.34	19.38	0.04	0.13	22.98	22.98	0.00	0.08	12.114
94.99	94.74	-0.25	0.52	22.13	22.09	-0.04	0.13	22.97	22.98	0.01	0.08	12.112

Test Conditions: UUT was maintained at "Ref" conditions.

Adjustments: Adjusted per manufacturer's procedure.

Manufacturer's Specifications: ±0.8% RH and ±0.1 °C @ 23 °C

As Left: Within Mfgr's Specs: YES

Limited Range: NONE

Calibration Seal: 0


Rudy Garcia, Cal Tech


Brad Bennewitz, Lab Manager

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