



**CERTIFICATE OF CONFORMANCE/CALIBRATION**  
**ISO 9002 Certified**

Company Name: CAMPBELL SCIENTIFIC  
City, State: LOGAN, UT

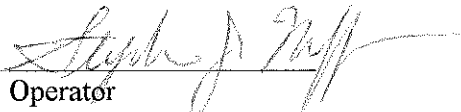
Purchase Order No: 39539 S.O. # 54451  
Report Number: 83099-U3030042  
Calibration Procedure: 3-19-19c.doc

Equipment Description: HMP 45AC  
Serial #: U3030042  
Calibration Date: 8-30-99 Due Date: 1 year

Equipment Used for  
Calibration: Controlled salt solutions Interval: 6month  
Serial #: P3940001  
NIST Standard: HMP 233 (SN# R1630018)  
Calibration Environment: Temperature: 22 °C +/- 1°C  
Humidity: 50 %RH +/- 5 %RH  
Warm Up Time: 30 min.  
Temperature of calibration bath: 22 °C ± 1°C

**CALIBRATION VALUES**

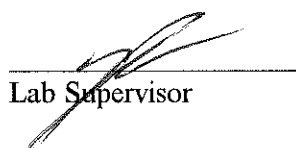
0% Dry Nitrogen	11.3% LiCl	75.5% NaCl	97.6% K <sub>2</sub> SO <sub>4</sub>	STD / UUT Temp
0.1%	12.0%	75.5%	97.6%	22.4° C / 22.2° C

  
Operator

We hereby certify that the above probe has passed the following procedures:

- Visual checking, all components.
- Factory calibration at 0%, 11.3%, 75.5%, and 97.6% RH referenced to NIST. All Vaisala HUMICAP® probes are linear with the 0 to 100% RH scale.
- Calibration adjustments are made at 0% and 75.5% RH.
- The accuracy of the calibration is within +/-2% RH (0-90% RH), ±3%(90-100%RH).
- Uncertainty of the calibration is ± 1.2% RH.
- The accuracy of temperature is ± .2° C @ 20° C.

The calibration of this instrument is traceable to the standards of the National Institute of Standards and Technology (NIST Test Report No. TN 261093) Dated 10 December, 1998. Due Date: 12/10/1999. The calibrations procedures are established in compliance with the requirements of ANSI/NSCL Z540-1-1994. This certificate can not be reproduced except in full, without the expressed written consent of Vaisala.

  
Lab Supervisor

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