SOUTHWEST RESEARCH INSTITUTE®

6220 Culebra Road, P.O. Drawer 28510
Institute Quality Systems
Institute Calibration Laboratory
Phone: 210-522-5215 Fax 210-522-4834

ACCREDITED
Certificate #
0972-01

Certificate of Calibration

Submitted By:	DIV20	**Work Order:**	303068184
Address:	B57	**Date Issued:**	Mar 3, 2006
Contact:	DON BANNON	**Calibration Date:**	Mar 3, 2006
Manufacturer Model:	VAISALA HMP76B	***Calibration Due:**	Mar 2, 2007
Description:	TEMPERATURE/HUMIDITY PROBE	**Calibration Location:**	Bldg. 64
Serial No:	Y1120007	**Environment:**	Temp. 73.0°F Hum. 40 %RH
Asset No:	010786	****Data Type:**	FOUND-LEFT
Procedure:	TEMPERATURE/HUMIDITY, MAY/03		

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 1999, ANSI/NCSL Z540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.

*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The client has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance. See Remarks or attached Measurement Report with the same Work Order number for data.

Reported uncertainty calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level.

Remarks: CALIBRATED WITH VAISALA MI70 INDICATOR S/N Y2540054, AN 010323

Standards Used

Asset No.	Serial No.	Manufacturer	Model	Description	Cal Due
006404	9806123	THUNDER SCIENTIFIC	2500	HUMIDITY GENERATOR	Jun 13, 06
009414	A25788	HART SCIENTIFIC	1502A	TEMPERATURE READOUT	Aug 02, 06
010692	632656	HART SCIENTIFIC	5618	PLATINUM RTD	Aug 02, 06

Reviewed by: blt ( ) jrg ( ) pwc (✓) wgh ( )
Metrology Technician

Measurements by: Bob Trollinger
Metrology Technician

Southwest Research Institute
Calibration Laboratory
Measurement Report

Work Order:	303068184	Mfr:	Vaisala	Technician:	blt
Asset No:	010786	Model:	HMP76B w- MI70 Meter		
Serial No:	Y1120007	Type:	Temp/Humidity Meter	Cal Date:	03-Mar-06
Remarks:	Calibrated with Vaisala MI70 AN 010323				

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Humidity	%RH	%RH	%RH	%RH	%RH	Result
at 25 °C	35.03	36.04	1.0	2.0	0.58	Pass
	50.09	50.71	0.6	2.0	0.58	Pass
	60.04	60.36	0.3	2.0	0.58	Pass
Temperature	° C	° C	° C	° C	° C	
at 35%RH	20.040	20.23	0.2	0.2	0.062	Pass
	25.085	25.05	0.0	0.2	0.062	Pass
	29.746	29.75	0.0	0.2	0.062	Pass

END OF REPORT