VERITEQ
Superior Temperature & Humidity Monitoring

Calibration Certificate

ACCREDITED
CALIBRATION LABORATORY
CERTIFICATE # 2069.01

Company
Research Company
Address
City, State, 12345, USA

Certificate Number:	0999000	Ambient Temperature(°C):	Min: 21.5 Max: 23.9
Model Number:	VL-2000-20R	Ambient Humidity(%RH):	Min: 25.4 Max: 41.8
Serial Number:	09992000	Method:	Calibration by comparison
Procedures:	VCP1009 VCP1010		

The calibration(s) on this report are traceable to the United States of America National Institute of Standards and Technology or to other recognized national or international standards or to accepted values of natural physical constants, and are accredited to ISO/IEC 17025. The laboratory meets the requirements of ANSI/NCSL Z540-1. Using methods detailed in the ISO "Guide to the Expression of Uncertainty in Measurement", reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2. The calibrations were performed equivalently either with minimum test uncertainty ratios of 4:1 using a coverage factor of k = 2, or with the statistical method of guard banding to reduce test limits. The results relate only to the item(s) calibrated.

CALIBRATION REFERENCE EQUIPMENT

	Serial #	Calibration Date Last	Next
Thunder Scientific Humidity Generator 2500 ST-LT	0305391	11-Jun-08	11-Jun-09
Hart Scientific Black Stack Thermistor Scanner Module Model 2564	A78405	30-Jan-09	30-Jan-10
Hart Scientific Thermistor Temperature Probe Model 5610	A7A2302	27-Oct-08	27-Oct-09

CALIBRATION TEST RESULTS

Chan	Test Description	Units	Reference	1 Year Spec.	Measurement Uncertainty	As Found Result	Diff.		As Left Result	Diff.	
1	Temperature	°C	-20.35	0.25	0.05	-20.40	0.05	P	-20.35	0.00	P
1	Temperature	°C	25.58	0.15	0.03	25.59	0.01	P	25.57	0.01	P
1	Temperature	°C	30.63	0.25	0.06	30.66	0.03	P	30.64	0.01	P
1	Temperature	°C	40.44	0.25	0.06	40.47	0.03	P	40.44	0.00	P
1	Temperature	°C	70.46	0.25	0.06	70.51	0.05	P	70.46	0.00	P
2	Relative Humidity at 25°C	%RH	11.00	2.00	0.60	10.41	0.59	P	11.17	0.17	P
2	Relative Humidity at 25°C	%RH	45.00	2.00	0.60	44.71	0.29	P	45.21	0.21	P
2	Relative Humidity at 25°C	%RH	60.00	2.00	0.60	59.82	0.18	P	60.40	0.40	P
2	Relative Humidity at 25°C	%RH	80.00	2.00	0.60	79.30	0.70	P	80.14	0.14	P
2	Relative Humidity at 30°C	%RH	65.00	2.00	0.60	64.59	0.41	P	65.35	0.35	P
2	Relative Humidity at 40°C	%RH	75.01	3.00	0.60	74.28	0.73	P	75.27	0.26	P

P indicates Pass, F indicates Fail, O indicates overlaps guard band, U indicates tolerance unspecified

Maintaining Calibration

The electronic components in this data logger are of the highest quality. The unit has been designed to remain within its specifications. The length of in-calibration service can be affected by aging, temperature and shock. For those users with critical needs such as accreditation demands, government specifications, or ISO requirements, we recommend that the unit be calibrated on a periodic basis.

Calibration

Information on calibration services is available at the address below. This data logger was calibrated by:

Veriteq Instruments, Inc.
100 - 13775 Commerce Pkwy.
Richmond, BC Canada V6V 2V4
Tel: 604-273-6850 Fax: 604-273-2874
sales@veriteq.com www.veriteq.com

Calibration Technician: Wlad Nefedow

Calibration Date: 15-Apr-2009

Next Calibration: 15-Oct-2009

Vice-President, Quality: Michael Boetzkes