Humidity Transmitter Certification (Room Units)

BAPI's standard product accuracy for Humidity Room Sensors is ±2.0%. BAPI can provide a NIST Traceable Certificate of Calibration for each sensor assembly as shown in the figure below. Each certified sensor has a unique certification and BAPI retains certification data for future reference.

Each sensor is placed into a precision humidity chamber that can hold a relative humidity condition to within ±0.5%RH. The humidity sensors output is recorded at each humidity certification point. BAPI normally tests at 25%, 50% and 75% relative humidity at 25°C (77°F). BAPI's humidity chamber has temperature test limits of 10 to 60°C (50 to 140°F) and humidity test limits of 15%RH to 85%RH. BAPI will test at any relative humidity and temperature that you specify within the sensors operating range and humidity chambers capability.

If you require the humidity reading to be certified at more than one temperature, please contact your BAPI representative for pricing. Please allow additional lead time when ordering certified units. If you have any questions about the certification documents, please contact your BAPI representative.

CERTIFICATE OF CALIBRATION

Customer	Your Company Name	P.O.	Your P.O. #	Order #	Your Order #
Serial #	994459	BA/HQF-B-C-1-C80-J		CalDate	6MAY2019
Certificate	BCEC69122	Cal. Procedure	CA0052	CalDue	No Recal
				Calibrated By	Tim Van Blarcom

Environmental Conditions

Humidity %RH 38% Temperature °F 74 Pressure 1016 Pascals

Calibration Standards

BAPI ID#	Description	Uncertainty
BAPI0003	Environmental Chamber	0.5%RH 0.1°C

Results

Test	Units	Reference	Uncertainty	As Found	Difference	As Left	Difference
25%	%RH	25%	0.5000	23.92	1.08	23.92	1.08
50%	%RH	50%	0.5000	49.75	0.25	49.75	0.25
75%	%RH	75%	0.5000	74.30	0.70	74.30	0.70

Notes

Cal Tech:_____ Date: _____

Certified By: _____ Date: _____

This notification serves to certify that the unit described above has been inspected and tested in accordance with specifications published by Building Automation Products Inc.

The accuracy and calibration of this instrument are traceable through reference standards that are compared, at planned intervals, to national standards maintained by the National Institute of Standards and Technology (NIST), by comparison to natural physical constants.

The measurement standards which support this calibration are calibrated on a schedule to maintain the required accuracy level.

For recalibration and recertification of this unit or for other testing or calibration services contact:

Building Automation Products, Inc.
750 North Royal Avenue
Gays Mills,WI 54631

Phone (608) 735-4800
Fax (608) 735-4804