



BAPI's standard product accuracy for Duct and Outside Air Humidity units is either $\pm 2.0\%$ or $\pm 3.0\%$ relative humidity. BAPI can provide a NIST Traceable Certificate of Calibration for each transmitter assembly as shown in the figure below. Each certified sensor/ transmitter pair 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 $\pm 0.5\%RH$. The humidity transmitter's output is recorded at each humidity certification point. BAPI normally tests at 25%, 50% and 75% relative humidity at 23°C (73°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 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/H200-D-BB		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		