



CALIBRATION CERTIFICATE

Form No. 624, Dec 2005

AANDERAA DATA INSTRUMENTS

Resolution: 0.1% of range
Accuracy: $\pm 0.05^{\circ}\text{C}$
Time Constant (63%): 12 seconds

Product: Temperature Sensor 3621
Serial No: 1746
Certificate No: 3621 1746 40051
Calibration Date: August 26, 2009

Electronic board: 3970 Serial No: 210 RCM sn: 1172

This is to certify that this product has been calibrated using the following instruments:

Fluke CHUB E-4	Serial No. A7C677
Fluke 5615 PRT	Serial No. 802056
Fluke 5615 PRT	Serial No. 802676
Fluke 5615 PRT	Serial No. 802057
Fluke 5615 PRT	Serial No. 802054
Calibration Bath model FNT 321-1-40	

Calibration points and readings:

Temperature Ranges		Arctic: $^{\circ}\text{C}$		High: $^{\circ}\text{C}$		Low: $^{\circ}\text{C}$	
Temperature ($^{\circ}\text{C}$)		1.07	5.23	10.89	33.88	1.06	20.21
Reading, N		473	956	49	938	162	968
Calculated Coefficients	A =	-3.088E+00		9.723E+00		-2.776E+00	
	B =	8.929E-03		2.383E-02		2.399E-02	
	C =	-3.476E-07		-5.941E-07		-2.238E-06	
	D =	1.134E-10		2.820E-09		2.056E-09	

Temperature Ranges		Wide: $^{\circ}\text{C}$		Other: $^{\circ}\text{C}$	
Temperature ($^{\circ}\text{C}$)		1.06	29.95		
Reading, N		52	945		
Calculated Coefficients	A =	-6.963E-01			
	B =	3.409E-02			
	C =	-6.292E-06			
	D =	4.800E-09			

$$\text{Temperature } (^{\circ}\text{C}) = A + BN + CN^2 + DN^3$$

Date: 26-Aug-09

Sign: Shawn A. Sneddon

Service and Calibration Assistant

AANDERAA DATA INSTRUMENTS AS

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