Sw Star	SOUTHW	EST RESEAR 6220 Culebra Road, P.O. Institute Quality S	RCH INSTITUTE [®] Drawer 28510 Systems	
	ð	Institute Calibration I Phone: 210-522-5215 Fax	Laboratory	ACCREDITED
	®	Certificate of Ca		Calibration Laboratory Certificate #0972-01
Submitted	By: DIV20		Work Order: 30308048	
	ress: B51		Date Issued: Apr 14, 2	
	act: DON BANNON			
Manufacturer / Mo	del: OMEGA / HH22		*Calibration Due: Oct 14, 24	008
Descript	ion: THERMOCOUPLE 1	THERMOMETER	Calibration Location: Bldg. 64	
Serial	No: T-94140		Environment: Temp. 73.	.0°F Hum. 40 %RH
Asset	No: 001997		**Data Type: FOUND-	LEFT
Proced	ure: DIGITAL THERMON	METERS - 17 MAR 08	DivID/Location: N/A	
is date. **Found/Left = etermination of in-/out-(eported uncertainty calo	= adjustment and/or repair was of-tolerance or compliance/nor	not required, As Left = adjusted acompliance. See Remarks or atta ISO "Guide to the Expression of	e as any number of factors may cause an out-of-tole and/or repaired was required. The client has sole re ached Measurement Report with the same Work Ord Uncertainty in Measurement" (GUM) and represent	sponsibility for der number for data.
Standards Used		M - 1-1	Description	Cal Day
sset No. Serial No. 10329 7949003	Manufacturer FLUKE	Model 525A	Description TEMPERATURE/PRESSURE CALIBRAT	Cal Due

Southwest Research Institute Calibration Laboratory Measurement Report

Work Order Asset No.	303080488 001997	Mfr. Model	OMEGA HH22		Technician	blt	
Serial No.	T-94140	Туре	Digital Thermometer		Cal Date	14-Apr-08	
Remarks:							
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left	
T1 Input	°F	°F	°F	°F	°F	Result	
Type J	-300	-301.2	1.2	1.3	0.57	Pass	
	110	109.7	0.3	1.1	0.31	Pass	
	525	525.4	0.4	1.5	0.37	Pass	
	940	940.6	0.6	1.9	0.37	Pass	
	1350	1350.5	0.5	2.4	0.37	Pass	
Type J	°C	°C	°C	°C	°C		
• •	-200	-200.2	-0.2	0.8	0.33	Pass	
	40	39.9	-0.1	0.6	0.21	Pass	
	275	275.2	0.2	0.9	0.32	Pass	
	510	510.4	0.4	1.1	0.32	Pass	
	750	750.2	0.2	1.4	0.32	Pass	
Туре К	°F	°F	°F	°F	٩°		
	-300	-300.0	0.0	1.3	0.70	Pass	
	390	390.2	0.2	1.4	0.55	Pass	
	1075	1075.8	0.8	2.1	0.55	Pass	
	1760	1761.2	1.2	2.8	0.55	Pass	
	2450	2451.7	1.7	3.5	0.84	Pass	
Туре К	°C	°C	°C	°C	°C		
	-150	-149.8	0.2	0.8	0.40	Pass	
	210	210.1	0.1	0.8	0.32	Pass	
	575	575.5	0.5	1.2	0.32	Pass	
	940	940.6	0.6	1.5	0.32	Pass	
	1300	1300.9	0.9	1.9	0.47	Pass	
T1Input -T2 Input		1.0	1.0	1.0	0.40	Pass	
T2 Input	°F	°F	۴	°F	°F		
Type J	-300	-300.4	0.4	1.3	0.57	Pass	
7 1 ⁻¹	110	109.7	0.3	1.1	0.31	Pass	
	525	525.3	0.3	1.5	0.37	Pass	
	940	940.6	0.6	1.9	0.37	Pass	
	1350	1350.4	0.4	2.4	0.37	Pass	
Type J	°C	°C	°C	°C	°C		
. ,,,,,,,,,	-200	-200.5	-0.5	0.8	0.33	Pass	
	40	39.8	-0.2	0.6	0.21	Pass	
	275	275.2	0.2	0.9	0.32	Pass	
	510	510.3	0.3	1.1	0.32	Pass	
	750	750.2	0.2	1.4	0.32	Pass	

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Southwest Research Institute Calibration Laboratory Measurement Report

Work Order	303080488	Mfr.	OMEGA		Technician	blt
Asset No.	001997	Model	HH22			
Serial No.	T-94140	Туре	Digital Thermon	neter	Cal Date	14-Apr-08
Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Туре К	°F	°F	°F	°F	°F	Result
	-300	-300.2	0.2	1.3	0.70	Pass
	390	390.1	0.1	1.4	0.55	Pass
	1075	1075.7	0.7	2.1	0.55	Pass
	1760	1761.5	1.5	2.8	0.55	Pass
	2450	2451.9	1.9	3.5	0.84	Pass
Type K	°C	°C	°C	°C	°C	
	-150	-149.9	0.1	0.8	0.40	Pass
	210	210.2	0.2	0.8	0.32	Pass
	575	575.6	0.6	1.2	0.32	Pass
	940	940.8	0.8	1.5	0.32	Pass
	1300	1301.1	1.1	1.9	0.47	Pass
		END	OF REPORT			

Rev, Nov/04

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