



DURO-SENSE CORPORATION
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TO: Southwest Research Institute
6220 Culebra Rd.
San Antonio, TX 78238

Date: February 28, 2002
Calib No.: 54259
Cust. P.O.: 293376W

CALIBRATION CERTIFICATE


This will certify that your material used to manufacture Type 'K' T/C Assy # MTC-D-12521-U-SP-24-DBOA was/were calibrated I.A.W. calibration procedure 26.00 Rev. A on February 28, 2002 against our standard, which is traceable to the National Institute of Standards Technology.

Ambient Temperature: 73.00° F
Furnace Atmosphere: Air
Humidity: 39.00%
Temperature Points: See Below
Lot #: M058921

CALIBRATION RESULTS ARE AS FOLLOWS:

Standard	Actual Reading	Correction	Standard	Actual Reading	Correction
Inside End			Outside End		
300°C	299.4°C	+0.6°C	300°C	299.3°C	+0.7°C
700°C	699.0°C	+1.0°C	700°C	698.9°C	+1.1°C
1140°C	1138.6°C	+1.4°C	1140°C	1138.5°C	+1.5°C

Calibration procedure I.A.W. ISO 10012-1:1992(E), ANSI/NCSS Z540-1-1994, AMS2750C, ASTM E 220-96, ASTM E 230-96, ASTM E 207-96
The calibration of thermocouples is subject to change during use. The amount of change depends on factors such as temperature, time, and condition of use.
Total Uncertainty of readings is Less Than .01%. Accuracy I.A.W. industry standards noted in calibration procedure 26.8.
This certificate shall not be reproduced except in full, without the written approval of the laboratory.

N.I.S.T. Recertification Date: February 10, 2003	We hereby certify that the above is a true copy of our records. DURO-SENSE CORPORATION  Quality Control Department
Leeds and Northrup K-5: Model 7555	
Precision Potentiometer S/N: 1752900	
Epplery Standard Cell: Model 100 - S/N 700851	
Cage Code: 58042	
Master Std. Thermocouple: Type 'S'	
N.I.S.T. Test Numbers: 266409	