



**DURO-SENSE CORPORATION**  
869 Sandhill Ave, Carson, CA 90746  
Phone: (310) 533-6877 Fax: (310) 533-0330

TO: **Southwest Research Institute**  
**9503 W. Commerce**  
**San Antonio, TX 78227**

Date: **January 26, 2010**  
Calib No.: **70079**  
Cust. P.O.: **B18910M**  
Page **1 of 1**

### **CALIBRATION CERTIFICATE**

This will certify that your wire used to manufacture Type 'K' T/C Assy # LC-24-K-TEX/TEX-900 was/were calibrated I.A.W. calibration procedure 26.00 Rev. A on **January 26, 2010** against our standard, which is traceable to the National Institute of Standards Technology.

Characterization/Condition of Calibrated Item(s): **New**

Ambient Temperature: **74.00°F**

Furnace Atmosphere: **Air**

Humidity: **45.00%**

Temperature Points: **See Below**

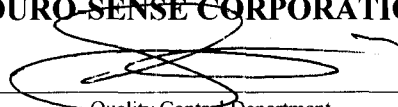
Lot #: **30476-T-1**

Spool #: **22792**

### **CALIBRATION RESULTS ARE AS FOLLOWS:**

Standard	Actual Reading	Correction	Standard	Actual Reading	Correction	Standard	Actual Reading	Correction
<b>Inside End</b>			<b>Middle</b>			<b>Outside End</b>		
20°C	19.9°C	+0.1°C	20°C	19.8°C	+0.2°C	20°C	19.9°C	+0.1°C
40°C	39.9°C	+0.1°C	40°C	39.8°C	+0.2°C	40°C	39.7°C	+0.3°C
60°C	59.7°C	+0.3°C	60°C	59.6°C	+0.4°C	60°C	59.5°C	+0.5°C
80°C	79.6°C	+0.4°C	80°C	79.5°C	+0.5°C	80°C	79.5°C	+0.5°C
100°C	99.5°C	+0.5°C	100°C	99.3°C	+0.7°C	100°C	99.4°C	+0.6°C

Calibration procedure I.A.W. ISO 10012:2003, ANSI/NCSL Z540-1:1994, AMS 2750D, ASTM E 220-02, ASTM E 230-3, ASTM E 207-00 and any additional requirements imposed by purchase order or contract. The results listed above relate only to the items calibrated and have no relation to any other items. 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.

<b>N.I.S.T. Recertification Date: January 8, 2011</b>	<b>We hereby certify that the above is a true copy of our records.</b> <b>DURO-SENSE CORPORATION</b>  Quality Control Department
<b>Leeds and Northrup K-5: Model 7555</b>	
<b>Precision Potentiometer S/N: 1752900</b>	
<b>Epplery Standard Cell: Model 100 - S/N 700851</b>	
<b>Cage Code: 58042</b>	
<b>Master Std. Thermocouple: Type 'S'</b>	
<b>N.I.S.T. Test Numbers: 279013</b>	