

DALLAS SEMICONDUCTOR

4401 South Beltwood Parkway
Dallas, Texas 75244-3292
(972) 371-4000

April 25, 2000

RE: Are Dallas temperature sensors calibration traceable to NIST?

To Whom It May Concern:

While the sensors are not NIST-traceable, the equipment used to calibrate them is. Dallas' temperature sensor products are calibrated in a fluid bath of a Perfluoropolyether fluid. There are two platinum Resistance Thermometers at Dallas that are used to verify that the bath RTD's and computer are in spec. The platinum Resistance Thermometers are sent to Minco Technology Labs periodically and returned with a report of calibration certificate. These reports include a N.I.S.T. test report number.

Platinum Resistance Thermometer's:

- 1) Model: S7929PA1L120G Serial Number: 1595 Minco report No. 2683, Job No. 3-163695
- 2) Model: S7929PA1L180 Serial Number: 1541 Minco report No. 2646, Job No. 3-156068

The N.I.S.T. Test report number referenced in both reports from Minco is "Test Report No. 811/254980". The Minco report says that " the thermometer resistance was measured at fixed temperature points defined by ITS-90 or by comparison with a calibrated Platinum Resistance Thermometer traceable to the National Institute of Standards and Technology".

Minco Technology Labs, Inc., PO Box 656, Austin, Texas, USA, 78767
Phone: +01 512-834-2022

Sincerely,

Ken F. Edmundson

Ken Edmundson
Applications Edmundson