

## DATA

Accumulated calibration data (steady-state data only), for thermocouple A-23 iron/constantan. Ten thermocouple readings were recorded for each power setting.

System: Thermometer and thermocouple dipped into a beaker of water on a hot plate.

Power setting, Temp ( $^{\circ}\text{C}$ ), Average (mV), Std. Dev. (mV).

0, 24.6, 1.264, 0.100

1, 38.2, 1.841, 0.138

2, 50.1, 3.618, 0.240

3, 60.2, 3.900, 0.164

4, 69.7, 3.407, 0.260

5, 79.1, 4.334, 0.225

6, 86.3, 4.506, 0.212

7, 96.3, 5.332, 0.216

8, 99.8, 5.084, 0.168