



FIG. 5.3 Voltage thermometers. Diode sensors are relatively inexpensive utility thermometers that have an easily measured output. Thermocouples have a very low output voltage and, therefore, are more difficult to measure, but they are also inexpensive, cover a very wide temperature range, and are able to measure temperature at point locations. (Thermocouple voltages are shown referenced to zero at 0 K.)