Diode calibration. Figure 1 shows a plot of the diode voltage versus temperature for three diodes with a wide variation in their room temperature voltages. The difference in voltage between these units was discovered to be almost linear in temperature. (See figure 2.) This allows for a single point calibration of the diodes. The room temperature voltage of 'your' diode is compared to the standard diode, (diode C in the figures). The voltage at any other temperature is then calculated from the known voltage of the standard diode at that temperature and recorded in the table below. A linear extrapolation between the recorded temperatures will give the voltage at any temperature. For the best accuracy you should also record the DC offset of the monitor output (typically +/-1 mV)

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