

Conclusions

In longer laboratory reports, a "Conclusion" section often appears. Whereas the "Results and Discussion" section has discussed the results individually, the "Conclusion" section discusses the results in the context of the entire experiment. Usually, the objectives mentioned in the "Introduction" are examined to determine whether the experiment succeeded. If the objectives were not met, you should analyze why the results were not as predicted. Note that in shorter reports or in reports where "Discussion" is a separate section from "Results," you often do not have a "Conclusion" section.

Sample Conclusion

This report has discussed the development of a temperature measurement and display system. The objectives of this lab were to develop the necessary hardware and software to have the HC11 measure temperature and indicate whether that temperature fell outside of prescribed limits. Both objectives were met. By keeping track of the measured temperature, the HC11 was able to control an LED temperature display. Also, if the temperature became very cold or hot, the HC11 sent an alarm message to a host PC terminal.

This lab has introduced us to the important topics of A/D conversion and serial communications. In the lab, an A/D converter allowed us access to analog inputs of temperature from a remote computer. Besides temperature measurement, A/D converters have many applications in automatic control systems and factory automation. For example, in an electric motor drive, the phase currents and flux are continually measured by using scaling circuitry and an A/D converter input to a microprocessor.