CHAPTER IV

Results

Conclusions
4.0 Results and Conclusion

Results
The Hardware and software features of interfacing Sensors with Personal computer via USB are described. The necessary software is developed in VB language. With the USB based data acquisition the temperatures within the LM35 stated accuracy 0.5°C guarantee able (at +25°C). The temperature recorded was 0.05°C.

Experimental Graphs:
Temperature Monitor

Current Temperature

37 37 37 37 38 38

Select COM Port

COM1 COM2
COM3 COM4

SetPoint 38

Close
Conclusion

From the preceding analysis it can be concluded that the Microcontroller based USB data acquisition device can be used for the temperature monitoring and measurement.