APPENDIX

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Voltage Calibration of ET-AD12

Voltage calibration of ET-AD12 by connects the variable voltage supply to the input of ET-AD12, and adjusts the voltage that makes the data from ET-AD12 increasing 100 for each step. Then measure the voltage of each step for recording data.

From this experiment can plot the graph follow figure 25.

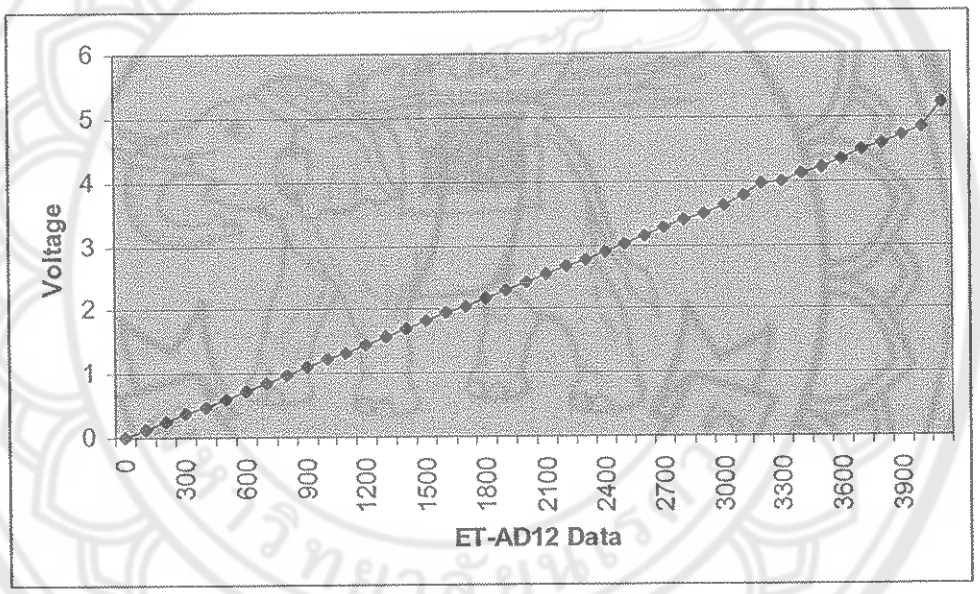

Figure 25 Voltage calibration of ET-AD12

So, it can transfer the ET-AD12 data to voltage by using this equation.

$$y = 0.0012x - 0.0123 \quad (18)$$

where y is the voltage

and x is the ET-AD12 data