

PC Based Data Acquisition System

Introduction

This trainer is used to perform all the experiments of **PC BASED DATA ACQUISITION SYSTEM**.

It is useful for experimentation as well as project work .

This trainer is designed in fashion, all sections can be operate individually.

This is useful for and B.Tech And M.Tech.

For research / Project work we give Re-programmable facility &

PC interface with Lab view Easy to perform, This trainer is very useful for **ECE, EEE, EE, ME** and **I&C Eng** streams.

Technical Specification

20 Digital I/O (Up to 50 Hz per I/O)

Having 8 channel 12 -Bit Analog Inputs,

2 Analog Outputs ,

On board 8 digital output (LED's) &

On board 8 digital input(DIP) Switch.

On board Relay ,Buzzer Section .

Temp Sensors (LM35 , Pt100)

Proximity switches,

LDR (LM 324 & LDR) & IR Sensors

On Board signal conditioning For above sensor

USB Bus with data acquisition system

Complete Software Control & it supports Labview software codes for the above mentioned sensors.

switch)on board buzzer for indication

Facility for e xternal signal interface , with Potentiometer .

It supports Software or Hardware Timed Acquisition



Experiments

- To Learn the Hardware OF data logger and interfacing with Labview.
- To check the Temperature using the LM35 Module.
- To measure the intensity of light using LDR module
- To transmit data using IR transmitter module
- To find the output of the proximity switch on the computer screen.
- To control the LEDs using labview front panel.
- To control the relay and buzzer using labview front panel window.
- To get the input from the Digital input section of the PC based transducer board.
- Many more application Based On data Acquisitions based On Analog and DigitalSignal.

All The Technology You need

ISO 9001:2008
Certified Company



All the Technology You Need

ADVANCE TECH INDIA PVT. LTD

Website: www.atechindia.com. E-mail: atechindia@gmail.com