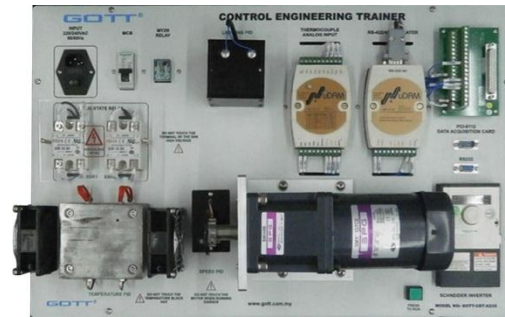


CONTROL ENGINEERING TRAINER

Model Number : GOTT-CET-X232



DESCRIPTION

This Control Engineering Trainer is designed to meet the future automation training program. In this era of automation, control engineering is a vital prerequisite for modern mechanisms for such system required a detailed knowledge of how a controlled systems work.

FEATURES

- PC Based Control
- Can link to any PCs for simple drive control system
- Easily and Portable
- Control commands and motion commands
- User friendly programming language
- Learn programming environment and debugging functions.

ACCESSORIES

- Industry-best textbooks
- Workbooks and hands-on exercises
- Comprehensive Assessments Tool
- A set of Computer
- PID Software

GENERAL SPECIFICATION

- Inverter
- Switching mode power supply
- AC Motor
- LED Lighting (Brightness Controller)
- Temperature Module
- Lab View Software
- Aluminium Casing
- Power Cord
- Software Installation Disc
- Instruction Manual

16-CH 12-BIT ADVANCED MULTI-FUNCTION DAS CARD

Features

- 32-bit PCI Bus with Bus-mastering DMA
- 12-bit analog input resolution
- 16 single-ended or 8 differential analog input
- On-board A/D FIFO memory
- Auto-scanning channel selection
- Up to 110 KHz A/D sampling rates
- Programmable gain of x0.5, x1, x2, x4, x8
- Bipolar or unipolar input signals
- Three A/D trigger modes: software trigger, programmable pacer trigger, and external pulse trigger
- 16-bit digital input and 16-bit digital output
- Two 12-bit monolithic multiplying analog output channels
- 3 independent programmable 16-bit down counters
- Compact, half-size PCB
- 37-pin D-type connector

POWERED BY: 



ATV312H075M2 AC DRIVE

Features






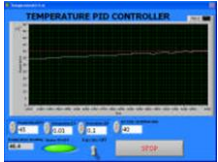

- Motor Power Rating : 0.75kW
- Input Voltage : 208/230VAC
- Marketing Trade Name : Altivar 312
- Output Voltage : Maximum Output Voltage Equal To Input Voltage
- Input Phase : 1-Phase
- Frame Size : Size 3
- Horsepower Rating : 1HP
- Type : ATV312
- Output Phase : 3-Phase
- Conformal Coating : No
- Degree Of Protection : IP20
- Ampere Rating : 1.5A
- Embedded Communication : Modbus And CANopen
- Integrated EMC Filter : Class A
- Enclose Rating : Open
- Application : Constant Torque





CONTROL ENGINEERING TRAINER

Model Number : GOTT-CET-X232

SOFTWARE EXPERIMENT			
<p>Open Loop Control</p> <ul style="list-style-type: none"> Speed setting for motor Graph reading for speed and time Voltage driver input Average slot found function 	<p>Closed Loop Control</p> <ul style="list-style-type: none"> Value setting for proportional (P), integration (I) and derivation (D) Voltage driver input Intensity reading and setting 	<p>Lighting PID</p> <ul style="list-style-type: none"> Value setting for proportional (P), integration (I) and derivation (D) Voltage driver input Intensity reading and setting 	<p>Speed PID</p> <ul style="list-style-type: none"> Speed setting for motor Graph reading for speed and time Voltage driver input Average slot found function Manually configured value for motor 
<p>Manual Mode</p> <p>The manual mode of PID controller consists of :</p> <ul style="list-style-type: none"> Fan button SSR1 and SSR2 button Analogue Output (Motor Speed) button Analogue Output (Light Intensity) button Counter Input Temperature Value Stop button 	<p>Temperature PID</p> <p>The below screen shows the temperature mode of PID controller :</p> <ul style="list-style-type: none"> Type of input sensor (thermocouple, RTD) and temperature range Type of output required (electromechanical relay, SSR, analog output) Control algorithm needed (on/off, proportional, PID) Number and type of outputs (heat, cool, alarm, limit) 	<p>Fuzzy Logic</p> <p>The Controller Design Interface is a stand-alone with a user interface you can use to completely define all controller and expert system components and save all of the parameters of the defined controller to one controller data file</p> 	<p>EXPERIMENT TOPICS :</p> <ul style="list-style-type: none"> Open Loop Control Closed Loop Control Manual Mode Temperature PID <ul style="list-style-type: none"> Sample of Setting the Temperature (Default Value) Changing Value P Changing Value I Changing Value D Lighting PID <ul style="list-style-type: none"> Sample of Setting the Temperature (Default Value) Changing Value P Changing Value I Changing Value D Speed PID <ul style="list-style-type: none"> Sample of Setting the Speed (Default Value) Changing Value P Changing Value I Changing Value D Fuzzy Logic

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
CONTROL ENGINEERING TRAINER	GOTT-CET-X232	232-288

* Proposed design only, subject to changes without any notice.