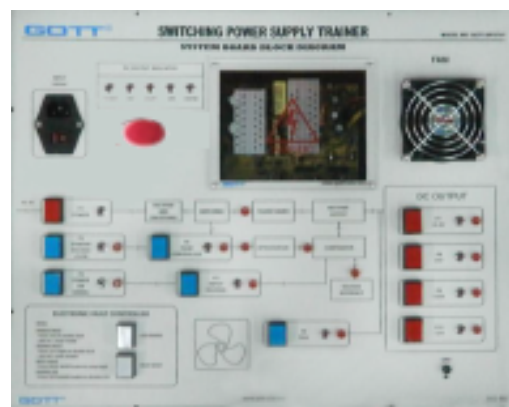


SWITCHING MODE POWER SUPPLY TRAINER

Model Number : GOTT-SPST-02

**DESCRIPTION**

The GOTT SWITCHING POWER SUPPLY TRAINER is designed to instruct service technicians in the operation, theory, servicing, problem diagnosis and repair of the key devices and components used in Information Technology.

The trainer is based upon Switching Power Supply and components which has been modified to facilitate training and have a special electronic fault insertion system.

PRODUCT FEATURES**FEATURES OF THE SYSTEM**

- Can be connected to GOTT's trainers and function as an additional Switching Power Supply
- Special casing and mounting of power supply
- Circuit block diagram of showing the function of the unit
- Electronic Fault Controller is built into the trainer for student instruction purposes
- Variable Output Protected by fuse and terminal safety \varnothing 4mm
- Protection : Mechanical Emergency Stop

CURRICULUM COVERAGE

This trainer includes step-by-step diagnosis and troubleshooting procedures including:

- Hardware Assembly and Testing
- Personal Safety
- Block Diagram
- Schematic Diagram
- Troubleshooting Procedures
- Common Fault Simulation Testing
- Reference Data
- Half/full wave, filter, zener & IC, regulator)

TRAINER DISASSEMBLY

At the end of the course, the student uses the step-by-step illustrated instructions in the Experiment Manual to disassemble the trainer and prepare it for the next class.

SPECIFICATION

- 100 to 240 VAC/ 50 Hz Power Supply Protected by Fuse
- Variable Outputs Protected by Fuse and Terminals safety for diameter 4 mm plug
- Stop and Emergency button with mechanical support and unloding by rotation

BLOCK DIAGRAM

- Switching
- PWM Generation
- Transformer
- Optometric
- Power On Signal
- Standby Voltage Signal
- Comparator
- Output Rectifier
- Reference Voltage
- Load Fan

ELECTRONIC FAULT CONTROLLER

- LED to indicate the nature and location of the fault on the Block Diagram
- Enabled when touching the push button; Disabled when touching the push button again
- Single or multiple faults can be introduced at any time
- Activated faults are visible as the corresponding LED illuminates on the fault board
- LEDs can be switched off thereby not allowing the student to know where the fault is, this feature is ideal for testing the student's troubleshooting ability
- Single press for Fault Reset

SWITCHING MODE POWER SUPPLY TRAINER

Model Number : GOTT-SPST-02

LEARNING OBJECTIVES:

- Fault the power control button
- Fault the +5VSB voltage standby fault button
- Fault the Power enable signal button
- Fault the PWM Controller signal button
- Fault the optocoupler fault button
- Fault the fan fault button
- Fault the +3VDC fault button
- Fault the +5VDC fault button
- Fault the +12VDC fault button
- Fault the -12VDC fault button

Manuals :

- (1) All manuals are written in English
- (2) Theory Manual
- (3) Experiment Manual

ORDERING INFORMATION:**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:

1 Years

ITEM	MODEL NUMBER	CODE
SWITCHING MODE POWER SUPPLY TRAINER	GOTT-SPST-02	312-034

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