

Electrical/PWM/Fault Trainer (Model 2210)



The Electrical/PWM/Fault Trainer is designed to introduce the concepts of Electrical Fundamentals, Pulse Width Modulation (PWM) Actuator Control, and Fault Diagnosis. The trainer is compact, self-contained, and provides a PWM output to view the signal on an

The Electrical/PWM/Fault Trainer contains the following components and capabilities:

- Power Supply providing 12VDC
- Four different value electrical loads
- ON/OFF Switch W/ LED indicator
- Banana Jacks for making wiring connections
- Connector wires in three colors
- Auxiliary Jacks for testing external components
- Ground Jack
- Fuse for Circuit/Device Protection
- Four-position switch for inserting faults: (Open, High Resistance, Short to Ground, Short to Voltage)
- Faulted/Non Faulted Switch
- PWM (Duty Cycle) Output Control Knob
- High/Low Frequency Selector Switch
- PWM Output Jack
- Optional Submounts and Storage Case available

With this trainer, students can study the areas of:

- Voltage
- Current
- Resistance
- Power
- Voltage Drop
- Series Circuits
- Parallel Circuits
- Series-Parallel Circuits
- Ohm's Law Relationships
- Ohm's Law Calculations
- Pulse Width Modulation Control
- Circuit Operation
- Fault Diagnosis

This trainer is intended to provide instructors the flexibility to not only create their own circuits but to develop the corresponding measurement and diagnostic procedures as needed for Electricity, PWM, and Faulting.

NOTE: Contact A-Tech for information on customizing this trainer for your needs.

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