

AT-700 PORTABLE ANALOG/DIGITAL TRAINER

Note: This product is uploaded with below,
100k & 5k potentiometer Facilities
Variable DC Output Voltage 0-±18V, 1000mA



Description:

AT-700 PORTABLE ANALOG/DIGITAL TRAINER is an ideal teaching aid for all types of electronic circuits, located all around the 2230 Tie-Point removable breadboard is a variety of functional input and out-put circuits, which can be used to stimulate or measure electrical signals from the circuit under test or development. The removal breadboard area is not connected to these peripheral circuits and is meant to be connected by the user using standard solid AWG #22-30 wire. These circuit functions allow for the breadboarding and testing of circuits without the need for many expensive individual pieces of equipment.

- Ohm's law and Kirchhoff's laws
- Controlling current and voltage
- Serial and parallel resistor circuits
- Power and DC circuits
- Algebraic functions
- Digital switching units
- Binary coding and computer arithmetic
- Logic circuit tracing using Boolean Algebra
- Pulse processing circuits Network theorems
- Applications of trigonometric function
- Diode networks
- Analyzing transistor circuit.
- Audio amplifier circuits
- Digital systems and trouble shooting

- Time base generators
- Magnetic circuits
- Digital interface circuits
- Computer interfacing circuits
- Many others with user manual.

AC POWER AVAILABLE
AC110V,220V,240V as well
As50Hz,60Hz, are available

Specification:

- Completely Self-Contained Unit
- Built-in regulated D.C supplies:
 - +5V & 1.0A
 - 5V & 100A
- Full short protection and indicators
- Function Generator:
 - 1Hz to 100KHz continuously variable over 5 Decade ranges.
 - Sine wave: variable 0 to ± 4Vp-p
 - Triangle wave: 4Vp-p
 - Square wave: ±5Vp-p
- 3 state logic probes
- Two single shot pulse generators, 80μs
- 8Bit LED display with buffers
- 3.5 Digit Digital Voltmeter:
 - 4 ranges:199.9mV, 1.999V, 19.99V and 199.9V fsd. LCD Display Input impedance: 4MΩ
- Analog Current Meter:0 to 100μA
- 2.5-inch 8Ω, 1W Loud Speaker
- Two Flip-flop gates with "mimic" diagram
- Input/Output connectors, BNC and banana
- Two logic switches +5V/0V/ -5V with current limit.
- Eight data switches +5V/0V
- Two 25-pin D-type connectors for computer interface.
- Removable breadboard with 2230 Interconnected tie-points, accepts 0-.08mm solid wire.