

SPECIFICATIONS:

- ▶ Completely Self-Contained Unit
- ▶ Built-in regulated D.C. supplies:
 - ± 18V, 1A Variable
 - + 5V @ 1.0A
 - 5V @ 250 mA
- 18-0-18V & 0-9V 1A AC Constant Supply (Optional)
full short circuit protection and indicators

- ▶ Function Generator:
 - 1Hz to 100 KHz continuously variable over 5 decade ranges.
 - Sine wave: variable 0 to ± 4 Vp-p
 - Triangle wave: ± 4Vp-p
 - Square wave: ± 5Vp-p

- ▶ 3 state logic probe
- ▶ Two single shot pulse generators, 80 μs
- ▶ 8 Bit 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: 4M Ω

- ▶ Analog Current Meter: 0 to 1mA
- ▶ 2.5 inch 8 Ohm, 1W Loud Speaker
- ▶ Two flip-flop gates- with "mimic" diagram
- ▶ 1K & 100K Potentiometer (Optional)
- ▶ Input/Output connector, BNC & Banana
- ▶ Two logic switches +5V/OV/ -5V with current limit
- ▶ Eight data switches +5V/OV
- ▶ Two 25-Pin D-Type connectors for computer interface
- ▶ Removable breadboard with 2230 intercon-nected tie-points, accepts 0.3-0.8mm solid wire

DESCRIPTION:

The ATC-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 removable breadboard area is not con-nected 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.



PORTABLE ANALOG/DIGITAL TRAINER
ATC-700

APPLICATIONS:

- ▶ Ohm's law and Kirchoff's laws
- ▶ Controlling current and voltage
- ▶ Serial and parallel resistor circuits
- ▶ Power and DC circuits
- ▶ Algebraic fractions
- ▶ Digital switching units
- ▶ Binary coding and computer arithmetic
- ▶ Logic circuit tracing using Boolean Algebra
- ▶ Pulse processing circuits Network theorems
- ▶ Applications of trigonometric functions
- ▶ Diode networks
- ▶ Analyzing transistor circuitry
- ▶ Audio amplifier circuits
- ▶ Digital systems and trouble shooting
- ▶ Time base generators
- ▶ Magnetic circuits
- ▶ Digital interfacing circuits
- ▶ Computer interfacing circuits
- ▶ Many others with user manual.

AC POWER AVAILABLE

AC 200-240V as well
as 50Hz, 60Hz, are available.

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