Portable Analogue/Digital Trainer Board

Model: AT-700

Hotline

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Description

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A portable analog/digital trainer board is a comprehensive, self-contained educational tool for circuit design and testing, typically featuring a large solder less breadboard (often >1600-2800+ tie points). Key specifications include fixed (±5Vplus or minus 5 cap V±5)and variable (±15Vplus or minus 15 cap V±15 or 0−30V0 minus 30 cap V 0−30) DC power supplies, a built-in function generator (1Hz−100kHz+1 cap H z minus 100 k cap H z plus1−100+for sine/square/triangle waves), logic input switches, LED indicators, pulse switches, and potentiometers.

Key Technical Specifications

Breadboard: Removable, solder less breadboard with high-capacity tie points (e.g., 2820 tie points) for flexible component placement.

Power Supplies:

Fixed: +5V/1Apositive 5 cap V / 1 cap A+5/1,-5V/1Anegative 5 cap V / 1 cap A−5/1.

Variable: Dual000 to±15Vplus or minus 15 cap V±15 or ±30Vplus or minus 30 cap V ±30 DC outputs.

AC: 9−0−9V 9 minus 0 minus 9 cap V 9−0−9 or 5−0−5V5 minus 0 minus 5 cap V 5−0−5 AC.

Function Generator: 1Hz1 cap H z 1 to 100kHz100 k cap H z 100 or 1MHz1 cap M cap H z 1 frequency range, providing sine, square, and triangle waves.

Input/Output Components:

Data Switches: 8-bit or more toggle switches for high/low logic.

Logic Indicators: 8-16 bit LED displays for monitoring output.

Pulser Switches: Independent, denounced manual pulsars.

Speaker: 2.5 inch, 8 Ωcap omega Ω 0.25W/1W speaker for audio projects.

Potentiometers: 1kΩ1 k cap omega 1Ω and 100kΩ100 k cap omega 100Ω variable resistors.

Structure: Housed in a durable ABS plastic or metal cabinet, usually with 2mm brass sockets for connections.

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