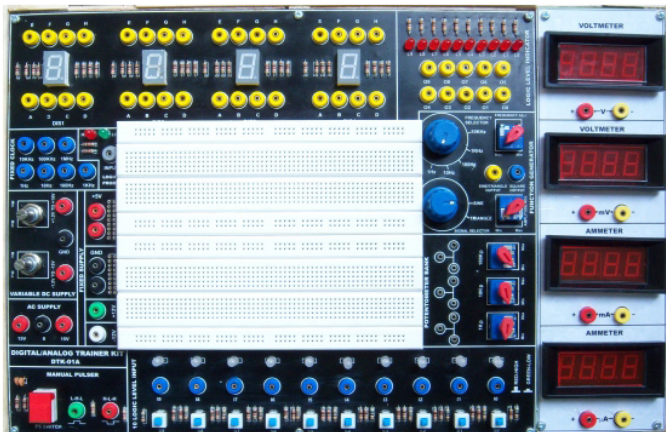


DTK-01A DIGITAL/ANALOG TRAINER



Specifications (Master Unit)

Indicators

1. 10 TTL/CMOS Logic Level Inputs with Dual Color LED indication for logic low and logic high
2. 10 LED for output indication.

Clock Generator

1. Switch selectable sampling clock of 8KHz, 16KHz, 32 KHz, 64 KHz.
2. Crystal Controlled Pulse Generator.

Pulse Generator

Logic Pulsar provides single pole double throw bounce less pulses of Low to High and High to Low transitions

Logic Probe

Logic Probe facility provided with LED indicators to indicate Logic High, Low & Tristate

Potentiometers

Variable potentiometers of 1K, 10K 100K provided on board

Bread Board Area

1. Four Distribution Strip of 100 tie points each totaling 400 tie points
2. Two Terminal Strip of 640 tie points totaling 1280 tie points

Function Generator (using IC 8038).

1. Provides Sine, Square and Triangular output waveforms.
2. Frequency variable from 0-200 KHz in FIVE steps

Display

Four digit seven-segment LED display.

Power Supplies

1. Fixed DC Power Supply: +5V/1A, $\pm 12V$.
2. Variable DC Power supply of +1.2V to +15V & -1.2V to 15V.
3. AC Power Supply of 15V-0-15V/250mA

Interconnections

interconnections are made using 2mm banana Patch cords.

1. All ICS are mounted on IC Sockets.
2. Bare board Tested Glass Epoxy SMOBC PCB is used.
3. Attractive Wooden enclosures of Light weight Australian Pine Wood.
4. Set of 2mm Patch cords for interconnections
5. User's Manual

OPTIONAL (Either one of below)

1. One PANEL METER (Voltage / Current) & 20 PIN ZIF Socket for IC experiments
2. 3 Nos. of 20 PIN ZIF Socket for IC experiments
3. One 20 PIN & One 40 PIN ZIF Sockets for IC experiments

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