

DTK-02 DIGITAL IC TRAINER KIT



Specifications

- **Indicators**
 - 10 TTL/CMOS Logic Level Inputs with Dual Color LED indication for logic low and logic high
 - 10 LED for output indication.
- **Clock Generator**
 - Fixed Clock generation of 1Hz, 10Hz, 100Hz, 1 KHz, 10 KHz, and 100 KHz & 1 MHz.
- **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 & Tri-state.
- **Bread Board Area**
 - Two Distribution Strip of 100 tie points each totaling 200 tie points.
 - One Terminal Strip of 630 tie points.
- **Display**
 - Three digit seven-segment LED display.
- **Sockets on board**
 - 14 Pin Socket- 8Nos.
 - 16 Pin Socket- 3Nos.
 - 20 Pin Socket- 1No.
- One IC each of 7400, 7402, 7408, 7432, 7404, 7490, 7495, 7486, 7447 & Two Nos. of IC 74107.
- **Power Supplies**
 - Fixed DC Power Supply: +5V, ±12V.
- **Interconnections**
 - All interconnections are made using 2mm banana Patch cords.
 - All ICS are mounted on IC Sockets.
 - Bare board Tested Glass Epoxy SMOBC PCB is used.
 - Attractive ABS plastic enclosures
 - Set of 2mm Patch cords for interconnections.
 - User's Manual with sample experimental programs.

DTK-03 LINEAR IC TRAINER KIT



Specifications

- On board LINEAR IC's
 - Timer IC 555 (1 No.)
 - Op-amp IC 741 (4 Nos.)
 - Opto Coupler MCT2E (1No.)
- On board IC Socket
 - 20 Pin IC Socket (1 No.)
- On board Interfaces
 - Resistor Bank ranging from 10 ohm to 1M ohm (30 Nos.)
 - Capacitor Bank ranging from 10 pf - 3300 microfarad (27 Nos.)
 - Voltage regulators one each IC-7805, 7905, 317.)
 - Transistors one each NPN-BC547, PNP-BC558
 - Diodes 1N 4007 (4 Nos.), Diode 1N4148 (2 Nos.) & Zener Diodes one each 12V, 5.1V, 3.2V
 - 12V SPDT Relay with outputs NC, NO & Common terminated on 2mm banana sockets
 - One 8ohm Speaker with outputs on 2mm banana sockets
 - One five mm LED with outputs terminated on 2mm banana sockets
- Potentiometers
 - Variable potentiometers of 1K, 10K 100K provided on board
- Bread Board Area
 - Two Distribution Strip of 100 tie points each totaling 200 tie points
 - One Terminal Strip of 630 tie points
- Function Generator (using IC 8038).
 - Provides Sine, Square and Triangular output waveforms.
 - Frequency variable from 0-200 KHz in FIVE steps.
- Power Supplies
 - Fixed DC Power Supply: +5V, ±12V.
 - Variable DC Power supply of 0 to +15V & 0 to -15V
 - AC Power Supply of 18V-0-18V
- Interconnections
 - All interconnections are made using 2mm banana Patch cords.
 - All ICS are mounted on IC Sockets.
 - Bare board Tested Glass Epoxy SMOBC PCB is used.
 - Attractive ABS Plastic enclosures.
 - Set of 2mm Patch cords for interconnections
 - User's Manual with sample experimental programs

Note : Specifications & Photos can be altered without notice in our constant efforts for improvement.