DTK-08A
DIGITAL ELECTRONICS TRAINER

DTK-08A is a single board Digital Electronics Trainer Kit which is widely used to train engineers to develop/ Study hardware for any digital integrated circuit in laboratory. This board having logic inputs, output indicator LED's, Logic pulser, Clock Generator, Potentiometer, Seven segment display, General purpose Breadboard, DC Supplies for experimenting the digital techniques. In this board all interfacing between onboard source & breadboard are done by patch chords.

Specifications

- **Indicators**
  - 16 Logic Level Inputs with LED indication for logic low and logic high.
  - 16 LED's for output indication.

- **Clock Generator**
  - Fixed Clock generation of 1Hz, 10Hz, 100Hz, 1 KHz, 10 KHz, 100 KHz and 1 MHZ

- **Logic Probe**
  - Logic Probe facility provided with LED indicator and Seven Segment Display to indicate Logic High, Low & Tri-state

- **Pulse Generator**
  - Logic Pulsar provides single pole double throw bounce less pulses of Low to High and High to Low transitions with LED Indicator.

- **Potentiometer**
  - Variable potentiometer of 1KΩ provided on board

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

- **Relay**
  - Two no's of +12V SPDT Relay for Control application with termination on 2mm Banana Socket.

- **Bread Board Area**
  - Six Distribution Strip of 100 tie points each totaling 600 tie points.
  - Three Terminal Strip of 630 tie points totaling 1890 tie points

- **Display**
  - Four no's of BCD to Seven Segment Decoder Display. Input terminations of Displays on 2mm Banana sockets

- **Power Supplies**
  - Fixed DC Power Supply: +5V/2A, ±12V/1A .
  - Variable DC Power supply of 0 to +15V.

- **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 enclosures.
- Set of 2mm Patch cords for interconnections.
- User's Manual.