DTK-06
BREAD BOARD TRAINER

DTK-06 is a single board Breadboard Trainer Kit which is widely used to train engineers to develop/ Study hardware for any Digital/Analog integrated circuit in laboratory. This board having logic inputs, output indicator LED's, Push Switch Key, Sine/ Square wave Generator, Potentiometer, Panel Meter, General purpose Breadboard, AC/DC Supplies for experimenting the digital/analog techniques. In this board all interfacing between onboard source & breadboard are done by patch chords.

Specifications

- **Indicators**
  - 08 TTL/CMOS Logic Level Inputs with Dual Color LED indication for logic low and logic high.
  - 10 Dual color LED's indicator for output for indicating low, High and tristate.
- **Push switch key**
  - On board 2 nos. of push switch tact keys provided output on 2mm banana connector.
- **Potentiometers**
  - Variable potentiometers of 1KΩ, 10KΩ, 100KΩ &1MΩ provided on board
- Bread Board Area
  - Eight Distribution Strip of 100 tie points each totaling 800 tie points
  - Four Terminal Strip of 630 tie points totaling 2520 tie points
- **Function Generator (using IC 2206).**
  - Provides Sine, Square and Triangular output waveforms.
  - Frequency variable from 1Hz to 100 KHz in FIVE steps.
- **On board discrete component**
  - Selectable 3W Resistor Bank ranging from 1Ω to 10kΩ (11 Nos.)
  - Selectable Electrolytic Capacitor Bank ranging from 1µF to 1000µF (11 Nos.)
  - Selectable Ceramic Capacitor Bank ranging from 10pF to 470KpF (11 Nos.)
  - One 8ohm Speaker output provided on 2mm banana sockets
- **Panel Meter**
  - Analog DC Ammeter of 0 to 20 mA.
- **Power Supplies**
  - Selectable Fixed DC Power supply of +5V, +6V, +9V, +12V, +15V.
  - AC Power Supply of 15V-0-15V.
- **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 Metal/ Wooden enclosures.
- Set of 2mm Patch cords for interconnections.
- User's Manual.

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

Kitek Technologies Pvt. Ltd., B-4, Lotus C.H.S., Plot No. 8, Sector - 7, Airoli, Navi Mumbai - 400708.
Tel.: 65116548 ⊔ Telefax : 27694323 ⊔ **Email:** knowl786@rediffmail.com ⊔ **Web** : www.kitektechnologies.com