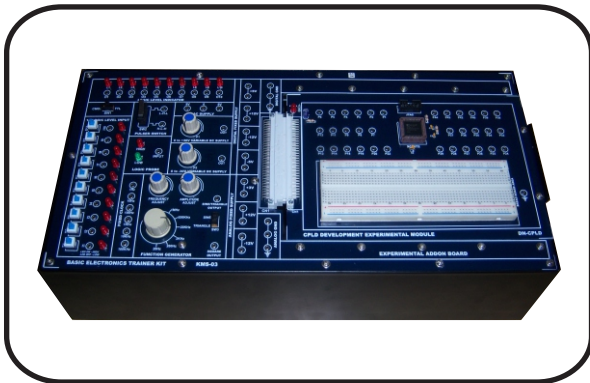


KMS-03 BASIC ELECTRONICS TRAINER

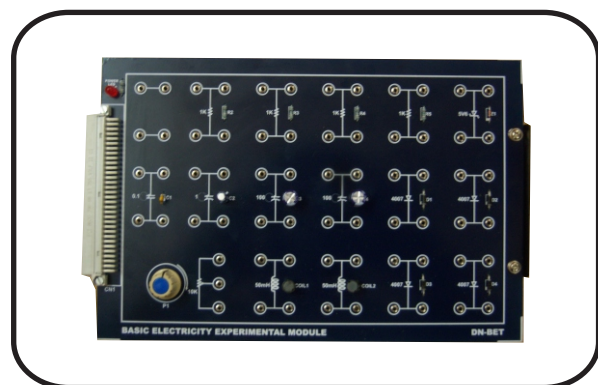


KMS-03 is a single board Breadboard Trainer Kit which is widely used to train engineers to develop/ Study hardware for any Digital/Analog integrated circuit in laboratory. This board having logic inputs, output indicator LED's, Logic Pulsar, Logic Probe, sine/ square waveform Generator, Potentiometer, Seven segment Display, 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**
 - 10 TTL/CMOS Logic Level Input Data switches for logic low and logic high
 - 10 LED's for OUTPUT indication.
 - Switch to select between CMOS & TTL.
- **Clock Generator**
 - Fixed TTL clock of frequencies 1Hz, 10 Hz, 100 Hz, 1KHz 10 KHz & 100 KHz, 1MHz.
- **Function Generator**
 - Output Waveform – Sine, Square & Triangle.
 - Selection of frequency in 6 ranges viz. 20Hz, 200Hz, 2KHz, 20KHz, 200KHz .
 - Selector Switch to select between Sine & Triangle.
 - Frequency and Amplitude Adjustment is provided using Potentiometers.
- **Logic Probe**
 - Logic Probe facility provided with LED indicator and Seven Segment Display to indicate Logic High, Low & Tri-state.

- **Potentiometers**
 - Variable potentiometers of 1K Ω & 100K Ω provided on board.
- **Pulse Generator**
 - Logic Pulsar provides single pole double throw bounce less pulses of Low to High and High to Low transitions.
- **Power Supplies**
 - AC Power Supply : 9V-0-9V.
 - Fixed power supply: ± 5 V/1A, ± 12 V/500 mA
 - Fixed power supply : +3 V/1A, ± 12 V/500 mA.
 - Variable DC power supply : 0 to ± 30 V/500mA
- **Interconnections**
 - All interconnections are made using 2mm banana Patch cords.
 - Board Interconnection through 96 pin EURO DIN41612 standard connector.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Set of 2mm Patch cords for interconnections.
- Attractive Metallic enclosures.
- Input Voltage 230V AC.
- User's Manual.
- **96pin EURO connector based ready to use Experimental Modules**
 - DN-BDM Basic Digital Experimental Module.
 - DN-SCT Semiconductor Module.
 - DN-BET Basic Electricity Module.
 - DN-BAM Basic Analog Experimental Module.
 - DN-CPL CPLD Development Module.
 - DN-AM AM Mod & Demod Module.
 - DN-FM FM Mod & Demod Module.
 - DN-FSK FSK Mod & Demod Module.
 - DN-OPT OPTO Electronics Module.



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