

## DIGITAL LAB TRAINER



### Features:

The **DT-09M** is a robust and user -friendly digital trainer that consists of sufficient main components for user to use in building and constructing digital electronics circuits and its application.

It is widely use as a base in conducting practical digital electronics courses. Coupled with its built-in power supplies, function generator, input switches, pulse switches, output LEDs, function switches, digital voltmeter, prototyping board & other components, the **DT-09M** is indeed a proven tool in helping users to get their digital electronics courses started without haste

### Technical Specification:

1. Solderless Breadboard  
Interconnected nickel plated contact with 1680 tie-points
2. DC Power Supply:
  - (i) Variable 0 ~  $\pm 15\text{VDC}$  @ 0.3A
  - (ii) Fixed  $\pm 5\text{VDC}/1\text{A}$
  - (iii) Fixed  $\pm 5\text{VDC}$  @ 500mA
3. Eight 8)-Bits Output LEDs
  - (i) Lo ( $< 0.8 \pm 0.2\text{V}$ ) = OFF (no display)
  - (ii) Hi ( $> 2.3 \pm 0.2\text{V}$ ) = Red
  - (iii) Open (0.8 ~ 2.3V) = No Display
4. Eight (8)-Bits Data Input Switches
5. Two (2) Pulse Switches: /A, A, /B, B
6. Function Generator:
  - (i) Frequency Range:
    - 1Hz ~ 10Hz
    - 10Hz ~ 100Hz
    - 100Hz ~ 1KHz
    - 1KHz ~ 10KHz
    - 10KHz ~ 100KHz
    - 100KHz ~ 1MHz
  - (ii) Waveform:
    - Square wave: 0 to  $\pm 5\text{Vp-p}$
    - Triangle Wave :  $\pm 3\text{Vp-p}$
    - Sine Wave :  $\pm 5\text{Vp-p}$
7. Digital Voltmeter: 4 ranges, from 199.9mV to 199.9V.
8. Overload Protection
9. Logic Probe
  - (i) Hi = H
  - (ii) Lo = L
  - (iii) Floating Level = O
10. Two (2) Digits 7-Segment LED Displays with BCD drivers
11. 2 function switches +5V/0V, -5V/0V with current limit.
12. Portable robust metal case form factor
12. Input Supply: 230~240VAC/50Hz

### Accessories:

- Documentation: Operation Manual  
Basic Experiment Manual
- Mains Cable

### DISTRIBUTED BY:

