

# Digital Lab Trainer / Digital Lab Station

## DLT-500



### OVERVIEW

The DLT-500 is a full functional digital lab station that meets the needs of most R&D labs and digital training programs. Lightweight and portable, optional module is also available, such as Digital Volt Meter module, BCD decoder module, Frequency Counter module, Logic gate module, etc.

### APPLICATIONS

- Basic Electronics Training Courses
- Advanced Electronics Circuit Design
- Digital Circuit Experiments
- Basic Logical Circuit Tracing
- Computer Interfacing Circuits
- Circuit Trouble Shooting

### SEPCIFICATIONS

1. **DC Power Supplies Module**  
Fixed Output : +5V/1A, -5V/1A, +12V/1A, -12V/1A  
Variable Output : 0V to +20V/1A, 0V to -20V/1A  
All power supplies are short circuit protected
2. **AC Power Supplies Module**  
19V – 15V – 9V – 0V – 9V – 15V - 19V
3. **TTL/CMOS Mode Selection Switch Module**
4. **Pulse Generator Module**  
Duty circle: 50%  
Frequency range: 1H-1MHz in 6 decade  
TTL or CMOS output mode
5. **Removable Breadboard Module**  
with 1860 tie points

6. Two digits of 7-segment LED Display Module
7. Two Single-Shot Pulse Output Switches Module  
80uS Pulse
8. Two Logic Output Switches Module
9. 8-bit LED Indicators with buffer Module
10. 8 HI/LO Data Output Switches Module
11. Logic Probe (TTL/CMOS mode) Module
12. Digital Voltmeter (DVM) Module  
4 Digits LED display  
Four voltage ranges :  
    0V to 199.9VDC  
    0V to 19.99VDC  
    0V to 1.999VDC  
    0V to 199.9mVDC  
Input Impedance: 10Mohm for any range
13. Loud Speaker Module  
80hm, 0.25W
14. Plug Interface Adaptor Module  
Miniature Plug, Mini Plug & Standard Plug Adaptors

The DLT-500 is shipped with a comprehensive user's manual and a power cord.  
 Power Supply : 240VAC, 50Hz (Fused Protected)  
 Dimensions : (W x D x H) 310 x 260 x 90mm  
 Weight : 2.5 kgs

#### **OPTIONAL MODULES :**

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|-----|--|--|
| 1.0 | DLT-500M                                     | Experiment manual includes 17 analog & 13 digital courses  |
| 2.0 | DLT-500M8                                    | BCD & BCH Module   |
| 3.0 | DLT-500M9                                    | Logic Gate Module<br>Provides OR gate x 4, AND gate x 4, NOR gate x 4, NAND Gate x 4, XOR gate x 4, NOT gate x 4 |
| 4.0 | DLT-500M10                                   | PC Interface Module<br>USB, Parallel and Serial RS-232C Connectors   |
| 5.0 | DLT-500M11                                   | Relay Module<br>2 pcs of 1P2T Relays   |
| 6.0 | DLT-500M12                                   | Capacitance Meter Module   |
| 7.0 | DLT-500M13                                   | Decade Capacitance, Inductance & Resistance Module   |
| 8.0 | More modules will be released in future..... |  |