

Universal Lab Trainer (Analog & Digital Lab Station)

EDU-LABS

ULT-3000



OVERVIEW

The ULT-3000 is a full functional analog and digital lab training station that meets the needs of most R&D labs and analog & Digital training programs, optional module is also available, such as BCD decoder module, Frequency Counter module, Logic gate module, etc.

APPLICATIONS

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

SPECIFICATIONS

1. **DC Power Supplies Module**
Fixed Output : +5V/1A, -5V/0.5A, +12V/0.5A, -12V/0.5A
Variable Output : +1.5V to +22V/1A, -1.5V to -22V/1A
All power supplies are short circuit protected
2. **AC Power Supplies Module**
19V – 15V – 9V – 0V – 9V – 15V - 19V
3. **Function Generator (2 Channels) & Clock Generator (2 Channels)**
Sine, Triangle and Square waveform output
Frequency range : 1Hz to 1MHz in 6 decades
With fine adjust, Amplitude and DC offset control
Clock output 1Hz to 1MHz in 6 decades

Six frequency ranges:

1Hz to 10Hz

10Hz to 100Hz

100Hz to 1KHz

1KHz to 10KHz

10KHz to 100KHz

100KHz to 1MHz

Sine wave output: 0 to 9V peak to peak variable

Triangle wave output: 0 to 6V peak to peak variable

Square wave output: 0 to 9V peak to peak variable

4. **Removable Breadboard Module**
with 1680 tie points
5. **2-Single Shot Pulse Output Module**
80uS Pulse
6. **2 Logic Switches Module**
7. **Two digits of 7-segment LED Display Module**
8. **8-bit LED Indicators with buffer Module**
9. **8 HI/LO Data Output Switches Module**
10. **3-State Logic Probe Module**
with 7-segment display
11. **Speaker Module**
80hm, 0.25W
12. **Digital DC Volt Meter**
4 Digits LED display
Four voltage ranges :
 - 0V to 199.9VDC
 - 0V to 19.99VDC
 - 0V to 1.999VDC
 - 0V to 199.9mVDCInput Impedance: 10Mohm for any range
13. **Potentiometer Module**
With 10K, 50K and 100K Ohm Potentiometers
14. **Plug Interface Module**
Miniature Plug, Mini Plug & Standard Plug Adaptors

The ULT-3000 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 : 3.5 kgs