

ANALOG LAB TRAINER



Features:

The **AT03 Analog Trainer** is a reliable, robust and portable system for learning and constructing basic analog systems design and prototyping. It is an important teaching tool for lecturers at universities, high schools, technical and skill training centers.

Equipped with built-in power supplies, switches, potentiometers, function generator, panel meters, speaker, large prototyping area & etc, to get experiments running without hassle.

Technical Specification:

1. DC Power Supply:

- (i) 0 ~ ±15VDC, 500mA (Variable)
- (ii) ±5VDC, 1A (Fixed)

2. AC Power Supply:

12VAC/900mA

3. Function Generator:

- (i) Frequency Range:
 - 1Hz ~ 10Hz
 - 10Hz ~ 100Hz
 - 100Hz ~ 1KHz
 - 1KHz ~ 10KHz
 - 10KHz ~ 100KHz
 - 100KHz ~ 1MHz

- (ii) Amplitude:
 - 0 ~ 8Vpp, Square wave
 - 0 ~ 6Vpp, Triangle Wave
 - 0 ~ 8Vpp, Sine Wave
 - 5Vpp, TTL Mode Output

- 4. Potentiometers:**
 - POT1 = 1K Ohm
 - POT2 = 100K Ohm
 - POT3 = 1M Ohm

5. Analog Voltmeter : 0 ~ 30VDC Full Scale

6. Analog Ammeter : 0 ~ 100µA Full Scale

7. Interface Switches:

- 1 x Slide Switch
- 1 x Toggle Switch

8. BNC Connector with Interface Connector (1x)

9. Built-in overload protection

10. Portable robust metal case form factor

11. Speaker/Buzzer (Built-in with Interface Connector)

12. 4mm Banana Sockets (2x)

13. Prototyping Area: Solderless Nickle-Plated Contact Breadboard with 1680 tie-points.
Area size: 172mm(L) x 260mm(W) x 10mm(H)

14. Power Requirements: 220 ~ 240VAC/50Hz

15. Dimension: 300mm(L) x 200mm(W) x 100mm(H)

16. Weight: 1.5Kg (approx.)

17. Accessory & Documentation

- Mains Cord (x1)
- Operational Manual (x1)
- Basic Experiment Manual (x1)

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