Description:

ADT-7000 is one of high level high quality digital-analog trainer, which combines all essential function of digital experiment and analog experiment. It is equipped with solderless breadboard, DC power supply, function generator, two digits of 7 segment, LED displays, 16 bits LED displays, two pulse switches, 1/4 inch 6 ohm 0.25W speaker. Additionally, it is with the unique design of universal connector, which reserves fixed holders on the panel in order to be connected with various connectors for the convenience of developing interface circuit. It is an ideal utility for the students of technical colleges, vocational training institutes, universities and research departments.
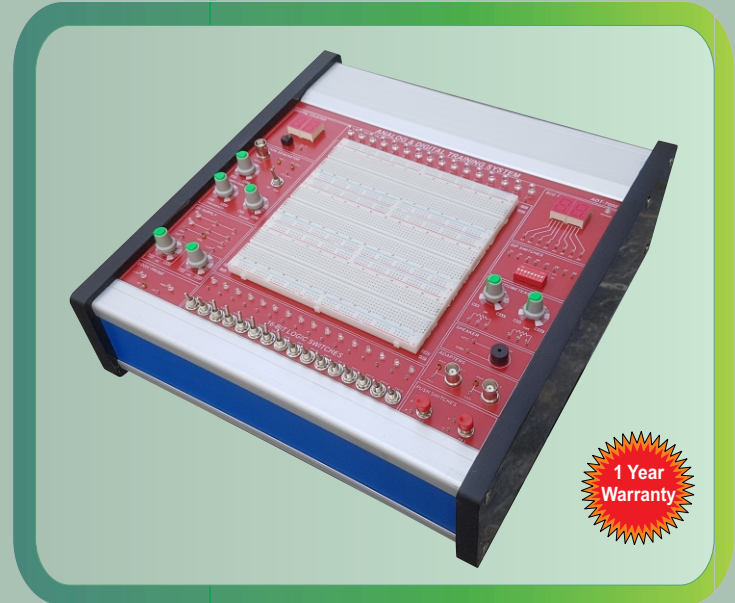
1 Year Warranty

Specifications:

1) POWER SWITCH / POWER INDICATOR
2) VARIABLE POSITIVE POWER
3) VARIABLE NEGATIVE POWER
4) FIX POWER SUPPLY +12V, -12V, +5V, -5VDC
5) POTENTIOMETERS (VR1=1k , VR2=100k)
6) FREQUENCY VARIABLE
7) WAVEFORM AMPLITUDE VARIABLE
8) WAVEFORM SELECTION
9) FREQUENCY RANGE SELECTION
10) 16 BITS DATA SWITCHES
11) 16 BITS LED DISPLAYS
12) DIGITAL DISPLAYS
13) BREAD BOARDS
14) ADAPTERS
15) TWO PULSE SWITCHES
16) SPEAKER
17) UNIVERSAL CONNECTOR FIXED HOLDERS
18) DIGITAL COUNTER
19) Standard Accessories
20) Power Cord and 2mm Banana Interconnects

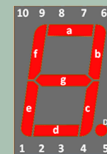**Power Supply:** 110/220VAC 50Hz
Dimensions: 14x13.5x6 in
Weight: 4.5Kg

Application:

- Basic Electronics Training Courses
- Advanced Electronics Circuit Design
- Analog Circuit Experiments
- Digital Circuit Experiments
- Boolean Algebra
- Basic Logic Gates
- Circuit Trouble Shooting

Function tables

Decimal Or Function	Inputs				Outputs						
	D	C	B	A	a	b	c	d	e	f	g
0	0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	1	1	0	0	1	1	1	1
2	0	0	1	0	0	0	1	0	0	1	0
3	0	0	1	1	0	0	0	1	1	0	
4	0	1	0	0	1	0	0	1	1	0	0
5	0	1	0	1	0	1	0	0	1	0	0
6	0	1	1	0	1	1	0	0	0	0	0
7	0	1	1	1	0	0	0	1	1	1	1
8	1	0	0	0	0	0	0	0	0	0	0
9	1	0	0	1	0	0	0	1	1	0	0
10	1	0	1	0	1	1	1	0	0	1	0
11	1	0	1	1	1	1	0	0	1	1	0
12	1	1	0	0	1	0	1	1	1	0	0
13	1	1	0	1	0	1	1	0	1	0	0
14	1	1	1	0	1	1	1	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1