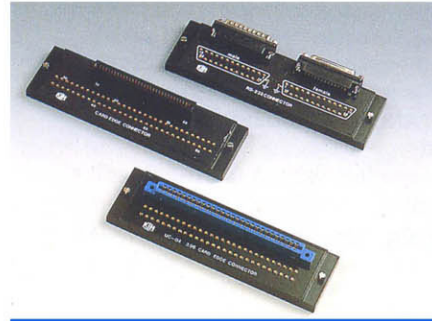




**RESERVE FIXED HOLDERS:**  
It can be ideally suitable for various connectors.



**EXPANSION FEATURES:**  
It can perform computer interface experiments by matching universal connector.

## SPECIFICATIONS:

### 1. SOLDERLESS BREADBOARD: AD-222

Interconnected with 2712 tie points nickel plated contact, fitted all DIP sizes and all components with lead and solid wire AWG#22-30 (0.3- 0.8mm). It can be changed and replaced for different purpose and can be connected with demonstration panel. Therefore, it is very convenient for both teachers and students.

### 2. DC POWER SUPPLY:

- (A) Fixed DC output: + 5V, 1A
- (B) Fixed DC output: -5V, 300mA
- (C) Variable DC output: 0V to +15V, 500mA
- (D) Variable DC output: 0V to - 15V, 500mA

### 3. POTENTIOMETERS:

- (A) Variable resistor VR1=1K (B)
- (B) Variable resistor VR2=100K (B)

### 4. FUNCTION GENERATOR

- (A) Frequency range: 1 Hz – 10Hz  
10 Hz – 100Hz  
100 Hz – 1KHz  
1 KHz – 10KHz  
10 KHz – 100KHz
- (B) Amplitude: Sine wave output: 0 - 8 Vpp variable  
Triangle wave output: 0 - 6 Vpp variable  
Square wave output: 0 - 8 Vpp variable  
TTL mode output: 0 - +5V

### 5. EIGHT BITS DATA SWITCHES:

8pcs toggle switches and corresponding output point. When switch is set at “down” position, the output is LO level; contrarily, it is to be HI level while setting at “up” position.

### 6. SPEAKER:

2-1/2 inch diameter, 8 ohm/0.25W to be used for load.

### 7. FOUR CHANNEL ADAPTOR:

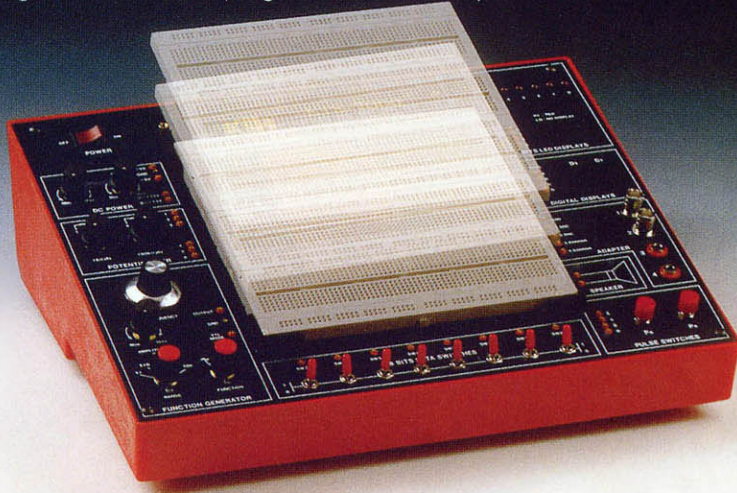
Both of the two banana sockets' and two BNC jacks' point tips are changeable. It is suitable for ETS-7000 to be connected with peripherals.

### 8. TWO DIGITS OF SEGMENT LED DISPLAY:

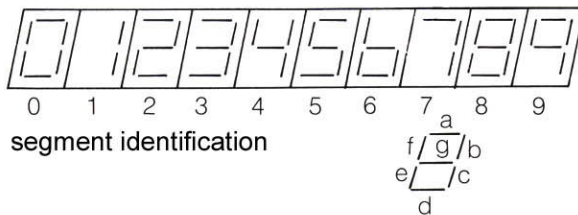
- (A) Output display

## SPECIALLY REMOVABLE FEATURE:

AD-222 solderless breadboard can be easily put into and taken off. It is a good idea for keeping the individual experiment.



Numerical designs and resultant displays



(B) Function tables

Decimal or Function	Inputs				Outputs							
	D	C	B	A	a	b	c	d	e	f	g	
0	L	L	L	L	H	H	H	H	H	H	L	
1	L	L	L	H	L	H	H	L	L	L	L	
2	L	L	H	L	H	H	L	H	H	L	H	
3	L	L	H	H	H	H	H	H	L	L	H	
4	L	H	L	L	L	H	H	L	L	H	H	

Decimal or Function	Inputs				Outputs							
	D	C	B	A	a	b	c	d	e	f	g	
5	L	H	L	H	H	L	H	H	L	H	H	
6	L	H	H	L	L	L	H	H	H	H	H	
7	L	H	H	H	H	H	H	L	L	L	L	
8	H	L	L	L	H	H	H	H	H	H	H	
9	H	L	L	H	H	H	H	L	L	H	H	
10	H	L	H	L	L	L	L	L	L	L	L	
11	H	L	H	H	L	L	L	L	L	L	L	
12	H	H	L	L	L	L	L	L	L	L	L	
13	H	H	L	H	L	L	L	L	L	L	L	
14	H	H	H	L	L	L	L	L	L	L	L	
15	H	H	H	H	L	L	L	L	L	L	L	

## 9. TWO PULSE SWITCH (WITH 2 SET OF OUTPUT: $\bar{A}$ , $A$ , $\bar{B}$ , $B$ ):

2pcs pushbuttons contain switches debouncer for eliminating the bounce caused by switch from "open" to "close" or from "close" to "open" position.

## 10. 8 BITS LED DISPLAY:

Eight red LED's separate input terminals. The LED will be lighted up when input is at "HI level", and it will be turned off when it is at no input or at "LO level".

## 11. UNIVERSAL CONNECTOR FIXED HOLDER:

It reserves universal connector fixed holder on the panel in order to be connected with various universal connectors, which are available as below:

(A) standard accessory: UC-03 Straight header 60 pin.

(B) optional accessories

(1) UC-01: Card edge connector 2.54mm 62pin

(2) UC-02: RS-232 connector 25 pin D sub connector, male & female

(3) UC-04: Card edge connector 3.96mm 28 pin

## 12. OTHER STANDARD ACCESSORIES:

(1) Power cord

(2) Pin: 6pcs

(3) User manual

## 13. DIMENSIONS: 325 x 250 x 95mm (L x W x H)

## 14. WEIGHT: 4.3kg