

Electronic Training Equipment & Breadboard / Accessories



Advanced Digital Training System ETS-5000



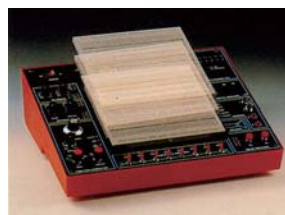
Specifications

- Solderless breadboard : AD-222**
Interconnected nickel plated 2712 tie points, fits all components with DIP sizes and solid wire AWG #22-30 (0.3-0.8 mm). 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.
- DC power supply :**
Fixed DC output : + 5V, 1 A
Fixed DC output : -5V, 300 mA
Variable DC output : +3V ~ +15V, 500mA
Variable DC output : - 3V ~ - 15V, 500mA
- Mode selector switch :**
When the switch is put on "TTL" or "CMOS" position, the input or output of pulse generator, pulser switches, 8 bits data switches, digital probe, 8 bit LED display will meet the HI or LO level of "TTL" or "CMOS"
- Two digits of 7-segment LED display**
- Pulse generator :**
(1) Duty cycle : 50%
(2) Frequency range :
1 Hz ~ 10 Hz
10 Hz ~ 100 Hz
100 Hz ~ 1K Hz
1K Hz ~ 10K Hz
10K Hz ~ 100K Hz
100K Hz ~ 1M Hz
(3) Amplitude : 0 ~ 10Vpp
(4) TTL/CMOS mode output
TTL : + 5V
CMOS : +VDC (depends on the + VDC output)
- Eight bits LED display :**
Set mode selector switch to "TTL" position

Logic Level	Input Level	Display light up
LO	<0.8±0.2V	Green
HI	>2.3±0.2V	Red
Open	0.8-2.3V	No display

Set mode selector switch to "CMOS" position

Logic Level	Input Level	Display light up
LO	<30%+VDC ±10%	Green
HI	>70%+VDC ±10%	Red
Open	30%~70%+VDC	No display



Feature

Specially Removable

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



Reserve Fixed Holders

It is ideally suitable for various connectors.

- Two pulser switches :
A, $\bar{A}$, B, $\bar{B}$ output
Output level :
TTL : HI = 5V, LO = 0.1V
CMOS : HI = + VDC, LO = 0.1V
- Eight data switches :
TTL : HI = 5V, LO = 0V
CMOS : HI = +VDC, LO = 0V
- Digital probe :
Set mode selector switch to "TTL" position

Logic Level	Input Level	Display
LO	<0.8±0.2V	L
HI	>2.3±0.2V	H
Open	0.8-2.3V	O
Transit	LO-->HI	P

Set mode selector switch to "CMOS" position

Logic Level	Input Level	Display
LO	<30%+VDC ±10%	L
HI	>70%+VDC ±10%	H
Open	30%~70%+VDC	O
Transit	LO-->HI	P

Memory : The two points of LED will keep lighting when they are in "level transition"(LO --> HI or HI--> LO) besides 7 segment LED display.

- Universal connector : (optional)
It reserves fixed holders on the panel in order to be connected with various connectors, for example :
Standard accessory :
• UC-02 RS-232 D connector (25 pin female & male)
Optional accessories :
• UC-01 : Card edge connector 2.54 mm 62 pin
• UC-03 : Straight header 60pin
• UC-04 : Card edge connector 3.96 mm 56 pin
- Other standard accessories :
• Power code
• Test probe
• Pin : 6pcs
• User manual
- Dimension :
325 x 250 x 95 mm (L x W x H)
- Weight : 4.3kg