



Digital Training System

Category: Electronic Engineering · Model reference: MZM-3011



SPECIFICATIONS

DIGITAL-ANALOG TRAINING SYSTEM
Features
1. High level, high quality digital-analog trainer

- Combines all essential function of analog and digital experiment
- With removable breadboard, DC power supply,
- function generator, two pulse switches, 2 1/4 inch
- 8 ohm 0.25W speaker and etc.
- 100MHz universal counter

ITEM DESCRIPTION	
SOLDERLESS BREADBOARD	
SOLDERLESS BREADBOARD	Interconnected with 2820 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.
DC POWER SUPPLY	
??Fixed DC output	+5V, 1A
??Fixed DC output	-5V, 1A
??Variable DC output	0V to +15V, 1A
??Variable DC output	0V to -15V, 1A
POTENTIOMETERS	
A. Variable resistor VR1	1kΩ
B. Variable resistor VR2	100kΩ
UNIVERSAL COUNTER	
A. Frequency range:	1Hz~99.999999MHz; 10Hz~100.00000MHz
B. Period range TH & TL:	0.01μs~99999.99μs; 1μs~999999μs
C. Input signal:	TTL or CMOS level or any level (Vmin≥+2.3V±10%)
D. Display:	8-digit 7-segment LED
E. Counter switch:	External / Internal
FUNCTION GENERATOR	
Frequency range	1Hz~10kHz 10Hz~100kHz 100Hz~1kHz 1kHz~10kHz 10kHz~100kHz
Amplitude	Sine wave output*70% Vpp variable Triangle wave output*70% Vpp variable Square wave output*70% Vpp variable TTL mode output*4 Vpp
TWO DIGITS OF 7 SEGMENT LED DISPLAY	
TWO PULSE SWITCH	
TWO PULSE SWITCH	2pcs pushbuttons contain switches debouncer for eliminating the bounce caused by switch from "open" to "close" or from "close" to "open" position.
SIXTEEN DATA SWITCHES	
SIXTEEN DATA SWITCHES	16pcs 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.
SPEAKER	
SPEAKER	2-1/2 inch diameter, 8 ohm/0.5W to be used for load.
FOUR CHANNEL ADAPTOR	
FOUR CHANNEL ADAPTOR	Both of the two banana sockets' and two BNC jacks' point tips are changeable. It is suitable for MZ1-7000 to be connected with peripherals.
SIXTEEN BITS LED DISPLAY	
SIXTEEN BITS LED DISPLAY	16 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".
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	(1) Straight header 60 pin
(2) Card edge connector 2.54mm 62pin	
(3) D sub25 pin connector, male & female	
(4) Card edge connector 3.96mm 56pin	
(5) Dip sockets connector 28 pin & 40 pin	
OTHER STANDARD ACCESSORIES	(1) Power cord (2) Pin - 10pcs (3) User manual

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