

# New DDR-III 1333 Mhz

## SP3000 DDR3 DIMM Tester

Real  
Speed  
1333 Mhz



CST Inc, leading worldwide manufacturer of memory tester and automation is proud to introduce the most affordable, high performance and Stand alone DDR3 Memory DIMM Tester. This tester is specially designed for High Volume Memory Distributors, Memory Module Manufacturers, Dealers and Service Depots.

The SP3000 DDR3 Tester comes with a standard 240pin DIMM socket for testing the latest PC3-6400 , PC3-8500 & PC3-10666 DDR3 memory modules at “**Real Bus Speed – 1333Mhz**” and “**Real Cycle Time Testing**”.

The SP3000 DDR3 DIMM Tester is built with flexible architecture to support DRAM, SDRAM, DDR, DDR2 & SGRAM Memory Module Testing with a change of optional adapter.

### SP3000 DDR3 Feature

#### Auto Identify:

- **Memory Type: 240pin DIMM Unbuffered or Long DIMM Only**
- Memory Configuration
- Memory Size
- Memory Frequency
- ECC or Non-ECC

#### Real Bus Speed Testing

- **Real Cycle Time and At-Speed Testing (True 1333Mhz Frequency)**
- Uses state-of-the-art DDR-III controller
- **Super Fast Detail Test time( 1GB in 15secs)**

#### Effective Test Algorithm

- Automatic Read/ Write Leveling & ZQ Calibration
- Quick test, checks for assembly faults
- Detail March test, checks for functional failures
- Programming and check SPD
- **Fault Focusing – pinpoint to faulty chip(s)**

#### Ease of Use

- Easy to read LCD display
- 5 Easy Push Button Selection
- Output bad results to printer
- Audible buzzer for pass/fail indication
- Colored LED for Test, Pass and Fail status

#### Ez Upgrading

- Firmware upgrade via internet
- Support wide range of test adapters
- Support RoboFlex2 DIMM Handler
- Interface with PC software via RS232/USB Port

### Technical Specification

Clock Frequency	: 400,533,666 Mhz selectable
Data-rate	: 800 , 1066 & 1333Mhz Mhz
Address depth	: 4 Giga-word ( 16 Row x 12 Col)
Data width	: 64 bit
Mirror Mode	: Automatic
Voltage range	: 1.4,1.5,1.6,1.7,1.8,1.9 & 2.0 Volts
CAS Read Latency	: 5,6 ,7,8 ,9 & 10 Clocks
Trcd & Trp Adjustment	: 5,6 ,7 8,9,& 10 Clocks
Cas Write Latency	: 5,6,7 & 8 Clocks
Internal bank	: 8 Banks
Burst Chop Mode	: Fixed BL8, BL4 & On the Fly
Dynamic ODT selection	: 40, 60 & 120 ohm ( Auto Select)
ZQ adjustment	: Auto Calibration
Refresh Cycle	: Auto / Self Refresh
Static Test Pattern	: Walk Data , Walk Address , DQS, DQM, CKE, CS, ODT and BA test
Dynamic Test Pattern	: Mat-S, March-C, March-X, March Y and Moving Inversion
SPD Programming	: Read/Write & Editable Byte 0 – 255 Reversible SPD Write Protect

### General Specification

DDR3 Test Adapter	: 240 Pin DDR3 DIMM (Standard) 204 Pin DDR3 SODIMM (Optional)
Power Adapter	: input 100 /250 Vac, 50 /60Hz Output 12 VDC @ 3A
Operating Temperature	: 15 ~110 Degree F
Dimension	: 9.25" x 9.25" x 2"
Weight	: 6 pounds

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