



DIGITAL LCD Power Supply Tester



MODEL#: KPST-01

INSTRUCTIONS:

1. Turn off your Power Supply and remove all connectors from the motherboard.
2. Plug in your ATX power 20-pin or 24-pin main connector. Turn on your ATX power supply. +12V2 will display "L" and you will hear alarm (beep sounds).
3. Plug in P4, P8, P6 (PCI EXPRESS) connector one by one to check its voltages. This power supply tester is designed to test all the ATX power supply connectors. Some power supplies may not have all the P4, P6, and P8 connectors. If all voltages are normal, then the alarm (beeps) will stop. Please refer to Voltage Table for normal voltage range.
4. For each plug-in P4, P6 or P8 connector, LCD shows each voltage and P.G. value on the screen automatically.
5. Plug in HDD and Floppy connectors one by one and check LED lights on +12V and +5V.
If the power output is working, green LED lights on +12V and +5V will light on. If the power output failed, green LED will not light on.
6. Plug in SATA connectors one by one and check LED lights on +12V, +5V and +3.3V.
If the power output is working, all green LED lights on +12V, +5V and +3.3V will light on.
If the power output failed, green LED will not light on.

If P4 or P6 (PCI Express) or P8 is not plugged in, all HDD, Floppy and SATA connectors will show "LL" (no voltage detected) on the screen and you will hear the beeps. This is normal since HDD, Floppy and SATA are not related to +12V2.

7. Remove the connector after being checked.
8. Do not plug two connectors into the tester at the same time. (This does not include the 20 or 24pin main connector and P4/P6/P8).
9. Abnormal voltage detected will not display on the screen.
10. If no voltage detected, "LL" will display on the screen. (All HDD, Floppy and SATA connectors will have no voltage detected and screen will show "LL" on the +12V2. You will hear beeps and this is normal.
11. If detected voltage is lower than min. value, then "LL" will display on the screen and the alarm (beeps) will go off.
12. If detected voltage is higher than max. value, then "HH" will display on the screen and the alarm (beeps) will go off.
13. When detected voltage is lower than table value (A), the alarm (beeps) will go off.
14. When detected voltage is higher than table value (B), the alarm (beeps) will go off.
15. If P.G. value detected is lower than 100ms or higher than 900ms, which means P.G. value is abnormal and alarm (beeps) will go off.

*When any abnormality occurs, the alarm (beeps) will go off and relative digit will blink on the LCD screen.

	Normal Voltage Range		Display Voltage Range	
	Low(A)	High(B)	Min.(C)	Max.(D)
+5V	+4.75V	+5.25V	4.0V	6.0V
-12V	-11V	-13V	-10V	-14V
+12V1	+11V	+13V	+10V	+14V
+12V2	+11V	+13V	+10V	+14V
3.3V	+3.14V	+3.47V	+2.0V	+4.5V
5VSB	+4.75V	+5.25V	+4.0V	+6.0V
P.G.			0ms	990ms

Normal voltage range for each output: Reference field low (A) and High (B)
 +/- 5%: +5V, +5VSB, +3.3V
 +/- 10%: +12V1, +12V2, -12V

U.S.A – KWI Technology Inc.
 4020 Valley Blvd, Unit 100
 Walnut, CA 91789
 TEL: 1-909-598-2888
 FAX: 1-909-348-1133
 techsupport@kingwin.com
 www.kingwin.com