

Re: +12 VOLT Indicator on Winbond Hardware Doctor

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2004-12/0770.html>

From: Ted (*Ted_at_discussions.microsoft.com*)

Date: 12/08/04

Date: Tue, 7 Dec 2004 17:15:06 -0800

Hi,

I have a friend that has let me borrow a PSU, when I check Winbond hardware Doctor with the new PSU, instead of the alarm sounding now and then, it's on constant.

Does that make any more sense? Im so confused???

"w_tom" wrote:

- > *Obtain that meter even in a screw driver store. Meter is as*
- > *essential as a screw driver. So ubiquitous as to be sold even*
- > *in Home Depot, Sears, and Lowes. So inexpensive that it is*
- > *now a standard tool.*
- >
- > *BIOS measurement circuits can vary significantly. How*
- > *accurate are they? An honest computer provider or motherboard*
- > *manufactuer provides that numerical specification. However a*
- > *'motherboard voltmeter' must be accurate enough duplicate the*
- > *accuracy of a 3.5 digit multimeter. See spec limits in*
- > *previous posts. Voltages must reside in the upper 3/4s of*
- > *those limits. Anything else can mean strange and intermittent*
- > *failures. If the meter is less accurate, then the voltage*
- > *readings must lie even further inside those limits.*
- >
- > *Limits provided below are too wide. For example, upper*
- > *limit is 12.6. Below, that same limit is 13 volts – too*
- > *high. A voltage below 4.85 is too low. And yet limits below*
- > *are 4.5 – too low.*
- >
- > *Don't screw around. Don't waste good money and time by*
- > *shotgunning – scam that an auto mechanic does when he does*
- > *not have basic knowledge. Get the meter to confirm an*
- > *essential component – the PSU. Then move on to other 'usual'*
- > *suspects using standard information sources such as system*

> (event) log, Device Manager, and comprehensive diagnostics
> provided free by any responsible computer manufacturer.
>
> Ted wrote:
>> Hi Guys
>> Thanks for getting back to me. I don't have a metre to measure but
>> I did try and remove the other devices to see the difference, but
>> there was none. The HDD and CD + DVD drive have been replaced within
>> the last 2 weeks. This was happening before then. The readings in
>> the BIOS are simalar to the Hadware Doctor. I currently only have 1
>> HDD attached which is a 160gb SATA 8MB cache, I also would like to
>> attach another in the future but am i right in saying thats out of
>> the question?? or should I look at a new PSU. They readings are
>> as follows.
>>
>> LL = Low Limit – HL= High Limit
>> +3.3V..... LL3.00 – HL3.50. This reading jumps between 3.34 & 3.36
>>
>> +5VLL4.50 – HL 5.50. Steady @ 5.11
>>
>> +12V.....LL11.00 – HL 13.00. This jumps between 11.04 & 10.50, quiet a
>> difference and not meeting the 12V.
>>
>> -12V.....LL -14.00 – HL -11.0. This jumps between -11.78 & -11.86
>>
>> again thanks for your help
>>
>> Ted
>>
>> "Gary" wrote:
>>
>>> How far out is the BIOS reading from the real reading?
>>> 50% + ? Please advise.
>