



# Tech Info Library

## PowerBook 500 series: Measuring AC Adapter Output (11/94)

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Security: Everyone

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TOPIC -----

Is there any way to measure a PowerBook 500 series computer AC adapter with a multimeter to determine if it is a good AC adapter or not?

DISCUSSION -----

To test the AC adapter for the 500 Series PowerBook computers, service providers would need to use test leads for their digital volt meter that have narrow test probes. Adapters are available to clip onto the ends of test probes that would allow the test probe to fit inside of the holes on the AC adapter connectors.

The front of the connector has four holes labeled 1 thru 4. The outer metal shield is ground. All measurements should be made with the negative or common lead of the volt meter connected/touching the outer shield. Use the positive test probe and check for the following DC voltages.

Connector #	Signal Name	DC Voltage
1	VBATT	16.4 V to 16.6V
2	VMAIN	16.4 V to 16.6V
3	GND	0V
4	GND Sense	0V

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