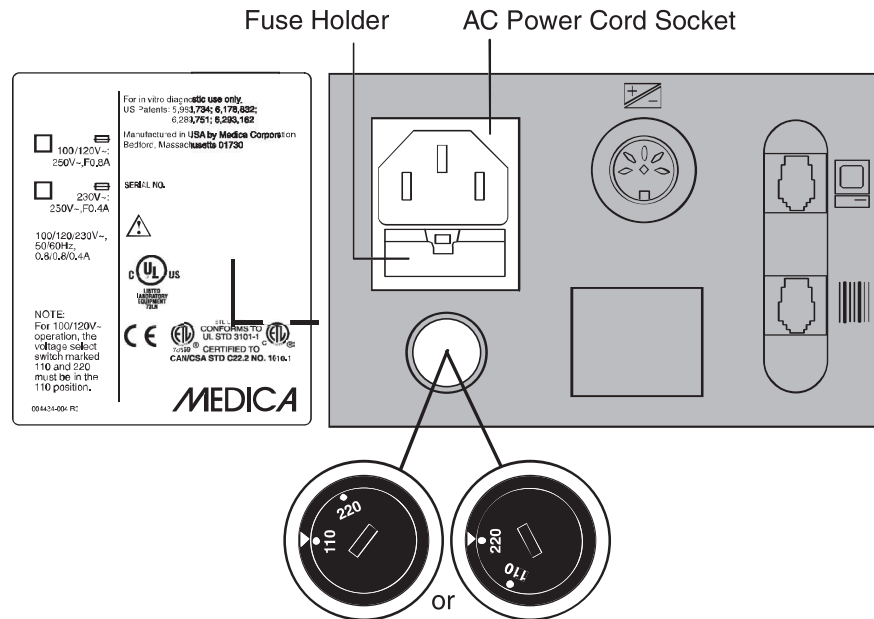


## AC Power Verification

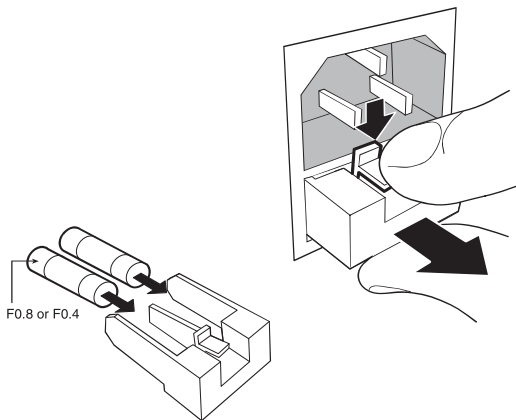
When the power is first turned on, the EasyStat analyzer will “beep,” and the display will light up. If this fails to happen, follow the verification procedure in this section. Review this entire section before replacing any components. First confirm that the power cord is inserted securely inside the AC power cord socket.



**Warning: Careless handling of AC power, especially 220V, can be hazardous or fatal. Only qualified personnel should work with AC power.**



Factory-set Power Voltage Setting

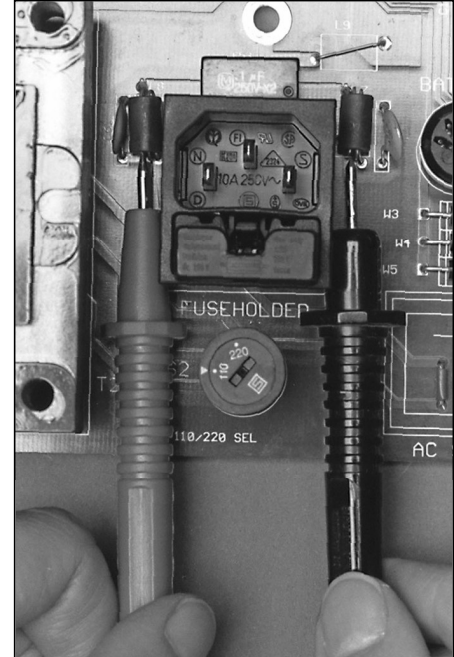


- 1 Remove the power cord from the AC power cord socket.
- 2 Verify that the voltage selector switch voltage setting (110V or 220V) matches the power outlet voltage. If it does not, correct the setting.
- ★ 3 Verify that the fuses have the correct rating. Push down on the fuse holder release tab and pull the fuse holder straight out. Inspect both fuses.
  - For 110V analyzers, the fuses must be rated 0.8A, 250 volts
  - For 220V analyzers, the fuses must be rated 0.4A, 250 volts

Remove the fuses from the fuse holder. Using a standard ohmmeter, measure continuity between the ends of each fuse. Replace defective fuses.

If the voltage setting and the fuses are correct, but “no power” or “blank display” continues, proceed as follows:

- 4 Remove the rear housing. See *Rear Housing Removal* in the **Repair** section for instructions.
- 5 Reinstall the power cord (cord not shown).
- 6 Measure the voltage between the bottom sides of components L7 and L8 on the CPU assembly using a standard voltmeter.
  - For 110V analyzers, the measured voltage must be 90V to 125V
  - For 220V analyzers, the measured voltage must be 210V to 240V



If no voltage, check the power cord and outlet. If the measured voltage is incorrect, replace the CPU assembly. See *CPU Assembly Removal / Installation* in the **Repair** section for instructions.

### DC Power Verification

- 1 Remove the rear housing. See *Rear Housing Removal* in the *Repair* section for instructions.
- 2 Remove Sensor Module.
- 3 Connect the power cord to an electrical outlet, then to the AC power cord socket.
- 4 Connect the reference side of the voltmeter to X8 on the CPU board.
- 5 Verify the voltage at each test point listed in Table 1.
- 6 Connect the reference side of the voltmeter to X2 on the CPU board.
- 7 Verify the voltage at each test point listed in Table 2.
- 8 Connect the reference side of the voltmeter to TP9 on the pre-amp PC board.
- 9 Verify the voltage at each test point listed in Table 3.

★ No adjustments are permitted. Failed boards should be replaced. See *CPU Assembly Removal / Installation* in the *Repair* section for instructions.

Test Point	Voltage
<b>Table 1</b>	
X1	+ 5.00V ± 0.15V
X4	+ 24.00V ± 5.00V
X5	+ 19.00V ± 4.00V
X6	- 19.00V ± 4.00V
X7	+ 5.00V ± 0.25V
X8	GND Reference
X9	- 12.00V ± 0.25V
X10	+ 12.00V ± 0.25V
<b>Table 2</b>	
X2	GND Reference
X3	+ 8.5V ± 2.00V
<b>Table 3</b>	
TP9	GND Reference
TP10	+ 2.000V ± .003V
TP12	- 12.00V ± 0.25V
TP13	- 5.00V ± 0.25V
TP14	+ 5.00 ± 0.25V
TP15	+ 15.00V ± 1.00V