

ANAESTIM

1. Visual Inspection :

- a) Check condition of case, sockets, switches, control knobs and display unit. Check tightness of case screws and that the control knobs are secure and correctly positioned.
- b) Check the condition of the patient lead and particularly the connections at both ends.

2. Output Current Check :

- a) Connect output and oscilloscope across 1000 ohm resistor. Use variable power supply set to 9 volts. (Set oscilloscope to 1 Volt/division; 100 uSeconds : 1 Volt = 1 mAmp)
- b) Adjust output current and compare on oscilloscope with digital display. All readings +/- 0.2 mAmp.
- c) Check reaction to capacitance by using 1uF capacitor as load and ensuring output resets after each pulse.
- d) Verify constant current circuit by placing 100 ohms resistor as load. (100mV = 1 mAmp)
- e) Check in both AUDIO ON and AUDIO OFF modes.

3. Output Frequency Check :

- a) Connect across 1000 ohm load.
- b) Check output pulse width; 100 uSecond, 200 uSecond and 500 uSeconds +/- 10 %
- c) Check output pulse times; 1 Second, 1.5 Seconds and 2 Seconds +/- 10%

4. Battery indicator :

- a) Activate output - L.E.D. flashes green.
- b) Reduce power supply to 8 volts and activate - L.E.D. flashes yellow.
- c) Reduce power supply to 7 volts and activate - L.E.D. flashes red.

5. Lead Check :

Connect output lead and short patient connections together - audible pulse tone indicates lead intact.