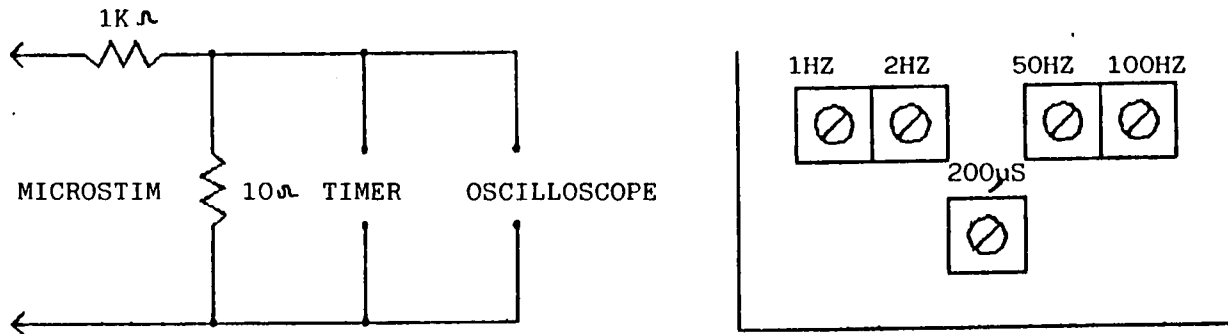




SUPRAMAXIMAL STIMULATOR

MICROSTIM

- 1) Inspect all components for correct values.
- 2) Inspect printed circuit board for any faults.
- 3) Assemble P.C.B. with all components.
- 4) Attach battery clip and output leads.
- 5) Assemble switches and solder lightly to P.C.B.
- 6) Allow to cool for a minimum of 30 minutes.
- 7) Connect to TEST RIG.



- 8) Set oscilloscope to 0.1 Volts/Division;
200u Seconds/Division.
- 9) Adjust all potentiometers to mid-positions.
- 10) Attach power supply adjusted to 9 Volts.
- 11) Activate 50 Hz output switch.
- 12) Adjust output of stimulator to 7 divisions (70mAmps).
- 13) Set timer to measure pulse width.
- 14) Adjust pulse width to 200u Seconds.
- 15) Set timer to measure interval between pulses.
- 16) Adjust interval for 20mSeconds.
- 17) Adjust on 100 Hz for 10mSeconds.
- 18) Adjust on 2 Hz for 500mSeconds.
- 19) Adjust on 1 Hz for 1000mSeconds.
- 20) Repeat steps 13 to 19.
- 21) Reduce power supply on 50 Hz observing
 - a) 9 Volts - flash GREEN
 - b) 8 Volts - flash YELLOW
 - c) 7 Volts - flash RED
- 22) Inspect CASE for good condition.
- 23) Attach all labels to clean facias.'
- 24) Use sharp scalpel to remove label holes.
- 25) Insert sockets, L.E.D. bezel.
- 26) Remove switches from P.C.B. and place in CASE.
- 27) Solder P.C.B. to switches.
- 28) Assemble CASE and attach knob.
- 29) Label knob with line adjacent to intensity marking.
- 30) Insert serial number label and sponge into battery compartment.
- 31) Allow to cool for minimum of 30 minutes.
- 32) Check all times and output control on test rig for correct function.
- 33) Place in holder, seal and attach test label signed and dated.