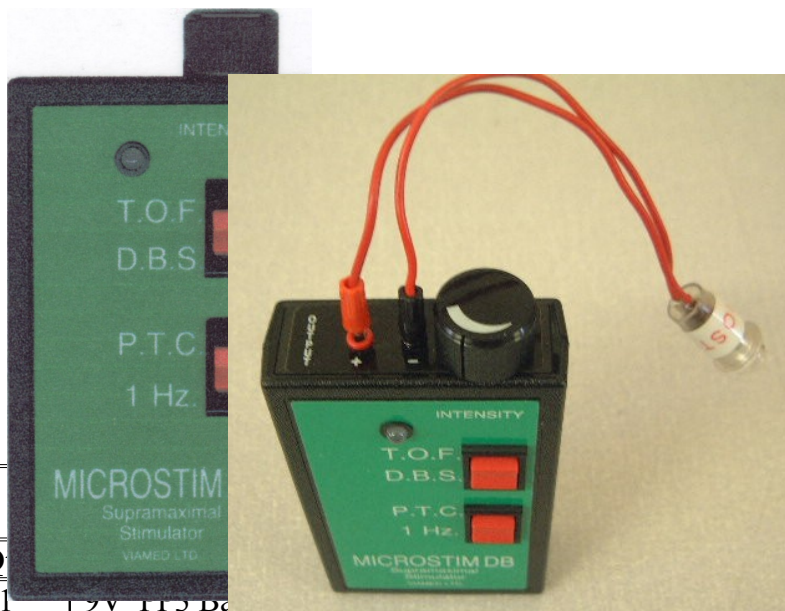


NERVE STIMULATOR

QUALITY INSPECTION – MICROSTIM DB

Date: 14-Dec-05	Revision Date:13-Apr-11	Issue: 1
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Go NoGo Test



Q			Part / Ref No.
1	9V PP3 Battery		MIN1604
1	Neon Test Lead		N/A

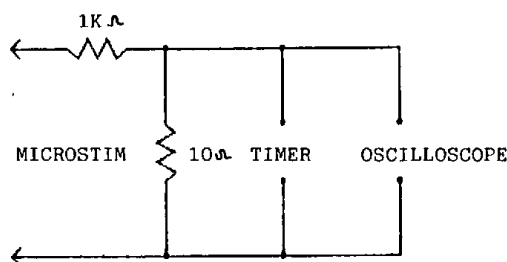
1. Ensure that there is no physical damage to the unit,
2. Remove the battery cover and connect a 9V PP3 type battery to the unit.
3. Connect the Neon test lead to the unit – Red to Red, Black to Black.
4. Rotate the top knob to Maximum.
5. With the Knob rotated to Maximum, depress each of the four switches in turn. When a switch is depressed, the neon light should flash “On”. The unit should buzz and the green light on the front of the unit should light up.
6. Disconnect the Neon Test lead from the Microstim, remove the battery and refit the battery cover.

Full Output Check

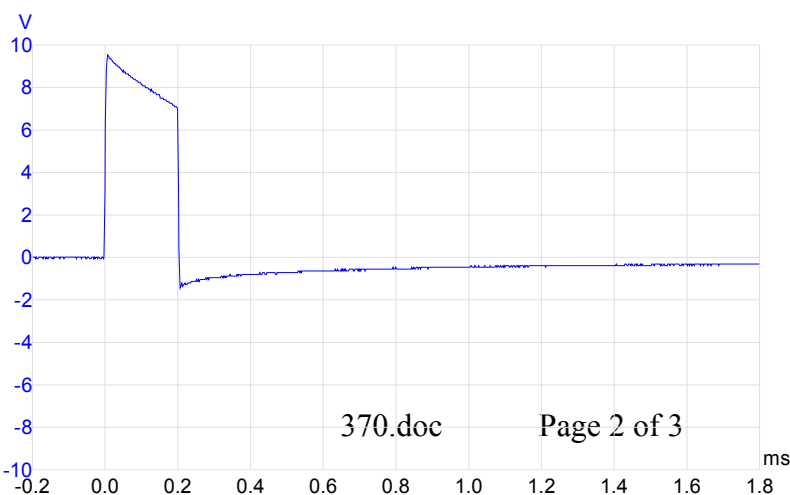
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Parts & Equipment		
Qty	Description	Part / Ref No.
1	9V PP3 Battery	MIN1604
1	Test Cable	N/A
1	Picoscope Test Equipment	CE020
1	Operators Manual	0610063

7. Ensure that there is no physical damage to the unit,
8. Remove the battery cover and connect a 9V PP3 type battery to the unit.
9. Connect the Oscilloscope channel “1” to the Microstim output sockets (Red & Black) using a Microstim Test cable.
NB Timer is optional for setting up Microstim 1000 only



10. Set the intensity control to maximum. Push, and hold, the upper toggle switch to T.O.F. Then ensure that the Microstim gives 4 pulses of 0.2ms width at 500ms intervals (2 Hz). The pulse height should be adjustable from approximately 8-10V (peak, leading edge) to 0V using the intensity control. Then release the Toggle switch.



**Typical Waveform
Full
Intensity**

Date: 14-Dec-05	Revision Date: 13-Apr-11	Issue: 1
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11. Set the intensity control to maximum. Push, and hold, the upper toggle switch to D.B.S. Then ensure that the Microstim gives 3 pulses of 0.2ms width at 20ms intervals (50 Hz), followed by a gap of 750ms, then again, 3 pulses of 0.2ms at 20ms intervals (50 Hz). Then ensure that the intensity control varies the pulse height from approximately 8-10V (peak, leading edge) to 0V. Then release the toggle switch.
12. Set the intensity control to maximum. Push, and hold, the lower toggle switch to P.T.C. Then ensure that the Microstim gives pulses of 0.2ms width at 20ms intervals (50 Hz) for 5 seconds. The pulses should then stop for 3 seconds, restarting after this period at 0.2ms width and 1-second intervals (1 Hz). Then ensure that the intensity control varies the pulse height from approximately 8-10V (peak, leading edge) to 0V. Then release the toggle switch.
13. Set the intensity control to maximum. Push, and hold, the lower toggle switch to 1 Hz. Then ensure that the Microstim gives continuous pulses of 0.2ms width at 1-second intervals (1 Hz). Then ensure that the intensity control varies the pulse height from approximately 8-10V (peak, leading edge) to 0V. Then release the toggle switch.
14. Disconnect the Microstim from the Oscilloscope, remove the battery and refit the battery cover.