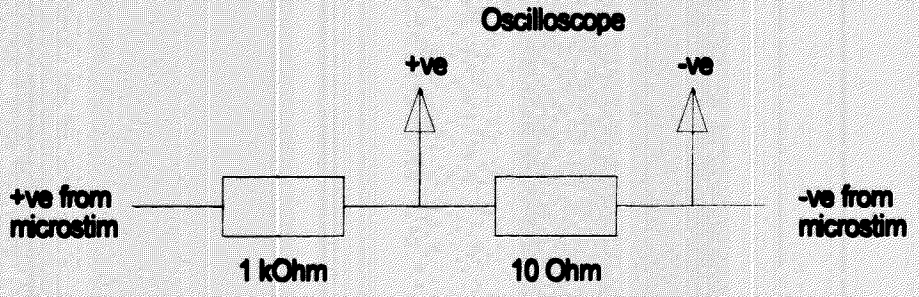
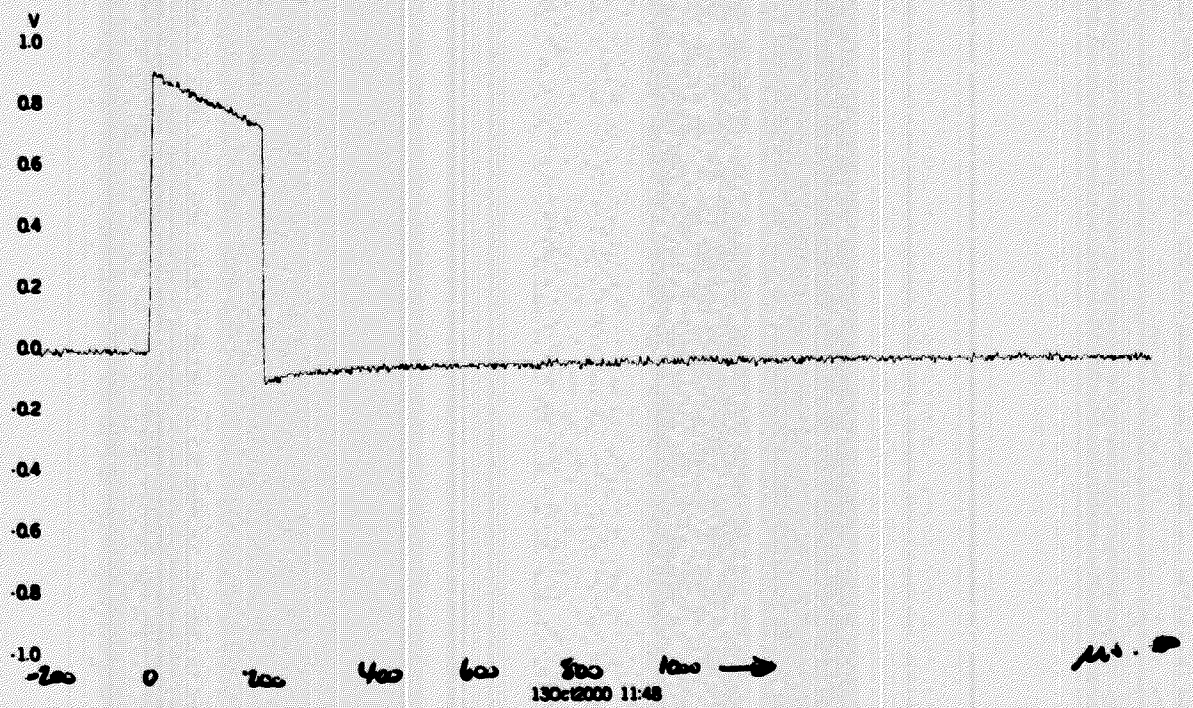
Microstim test procedure.

Output from whichever Microstim model is controlled by the intensity pot. Output amplitude is over 20V at maximum intensity, therefore a test rig is required to reduce amplitude to a suitable level for checking with a oscilloscope. A storage scope may be required on the 1 Hz setting as the mark / space is very small. Checking of the space between pulse can be difficult.

Test Adapter.

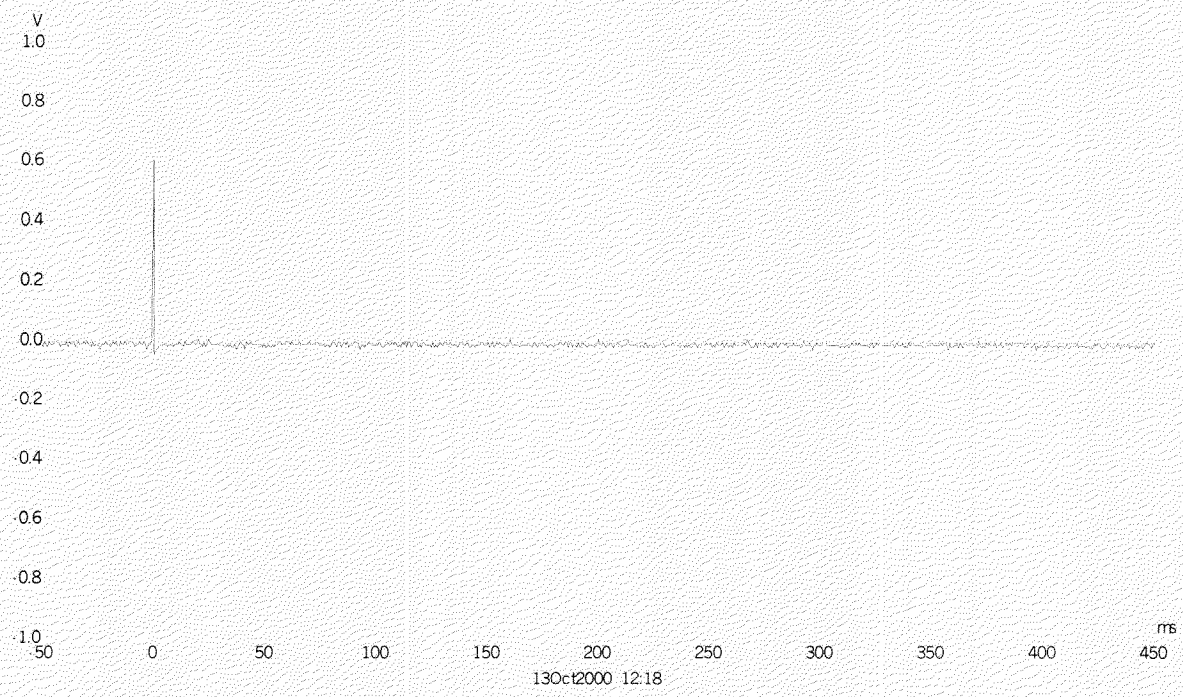


Typical pulse using this test adapter is shown below. This shape and amplitude of pulse is typical for all settings at maximum intensity. Pulse width is 200µs. Minimum setting on intensity pot should give zero output when scoped. Unit on which these results are based showed a slight jump in amplitude output with intensity pot increase, to 100mV from 0mV at approx 10% intensity.

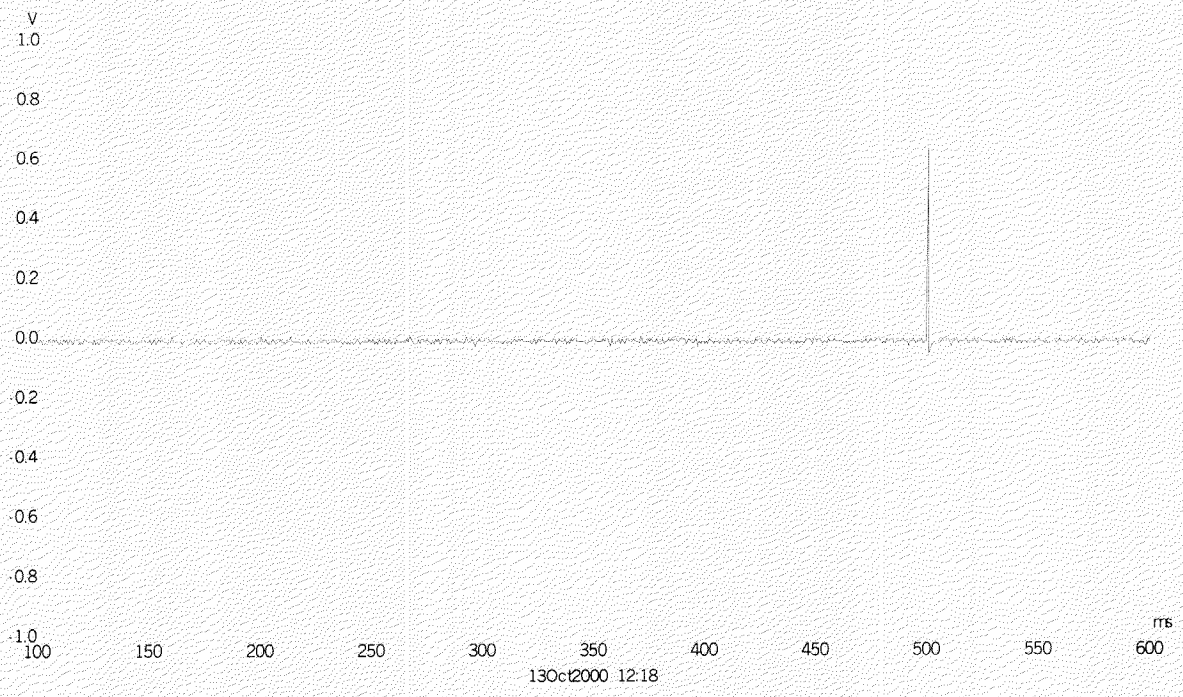


Train of Four (T.O.F).

1st pulse.

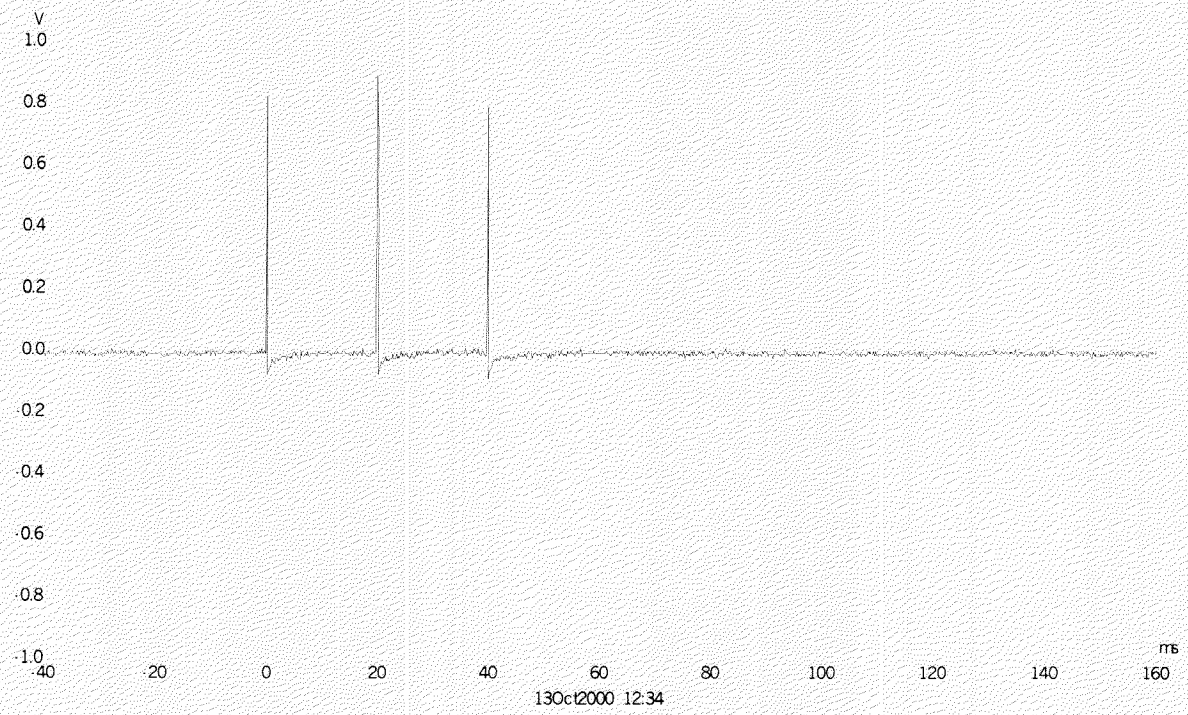


2nd pulse.



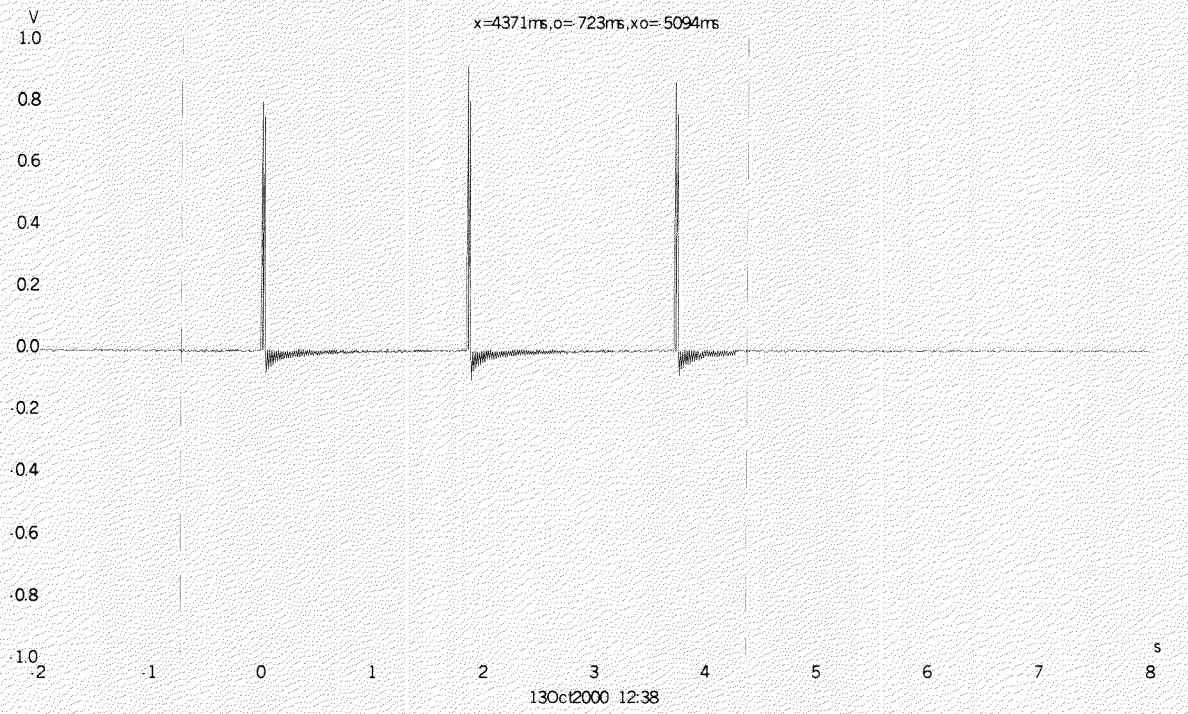
and so on for a total of four pulses….

Double Burst Stimulation (D.B.S).

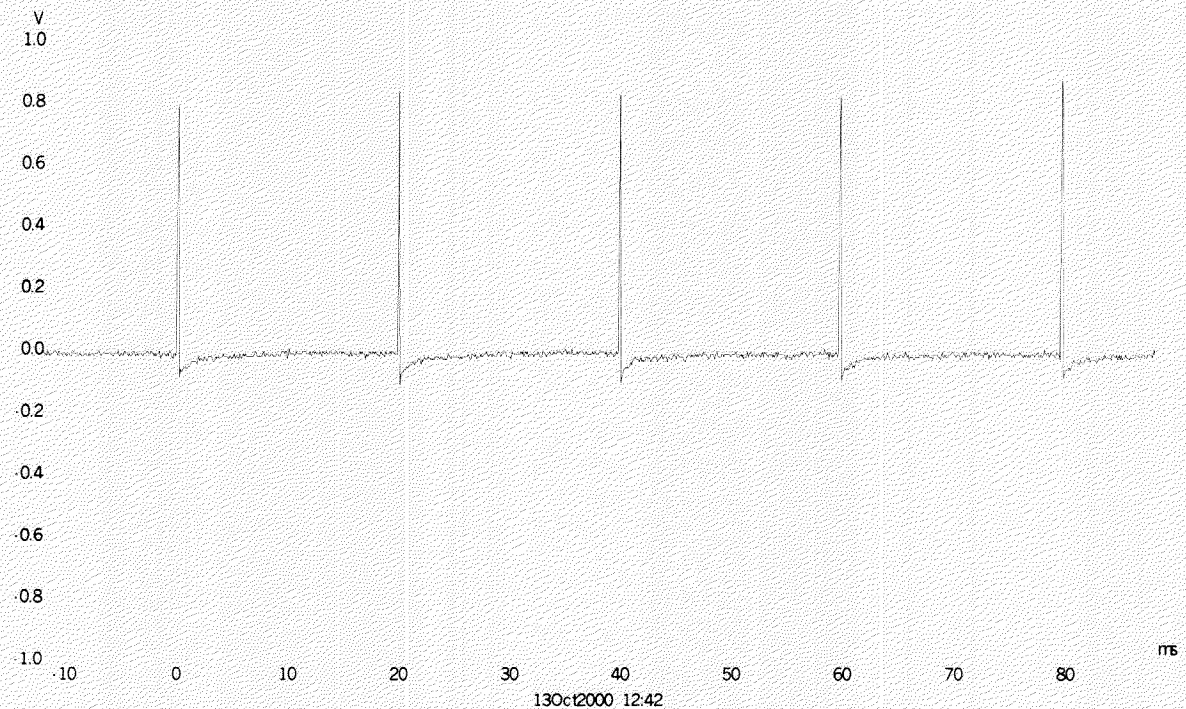


followed by a second burst of stimulation 750ms later.

Post Tetanic Count (P.T.C).



1st burst of 50 Hz stimulation for 5 seconds,
…followed by 3 second delay the 1 Hz.



1st burst at this spacing..

<u>1 Hz output on maximum intensity.</u>

Each pulse occurs at 1 second intervals. Typical pulse shown below