

COMPANY OPERATING PROCEDURE**Testing & Q.A.
VM3/COP/36.01**

Date: 10-Sep-03

Revision Date: 22-Mar-04

Issue: 1

The Microstim units are supplied to Viamed fully assembled, but without the battery fitted.

**Equipment Required:**

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

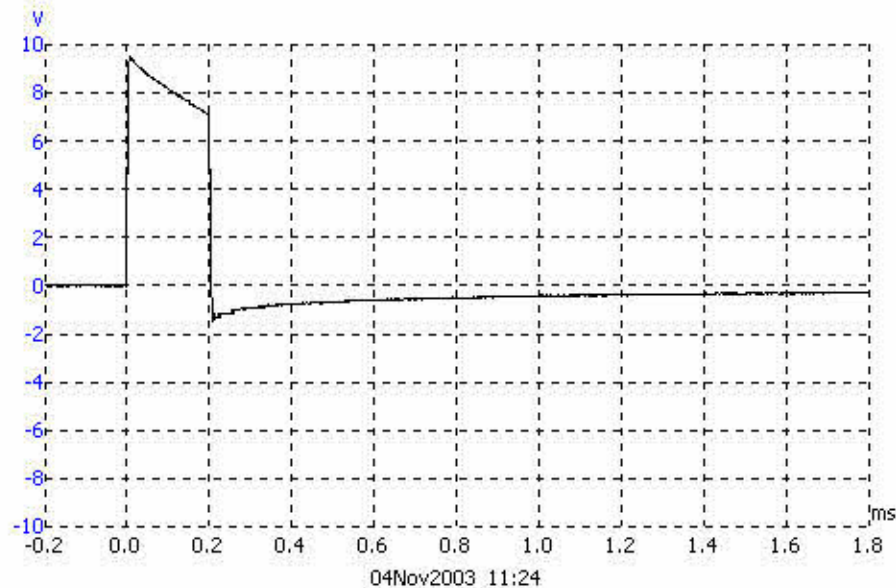
Q.A. & Testina:

1. Ensure that there is no physical damage to the unit, and that there are no marks on the labels.
2. Remove the battery cover and connect a 9V PP3 type battery to the unit.

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3. Connect the Picoscope channel "1" to the Microstim output sockets (Red & Black) using the Microstim Test cable.
4. Open the file "Microstim Setup" and then set the Picoscope to "Run".
5. 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**

6. 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.

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7. 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.
8. 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.
9. Disconnect the Microstim from the Picoscope, remove the battery and refit the battery cover. Ensure the unit is serial numbered, the CE label is attached to the bottom R.H. corner of the Instructions for use label and the stock sheets are completed. When packing the unit for despatch, ensure that the box contains the Battery, the Leads and the Operators Manual.