

Set up for Vandagraph Oxycal

VM3/COP/40.12

Date: 28 Jun 2007

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Issue 1

Only to be attempted by trained personel

Parts Required			
Quantity	Description	Part No.	
1	Microcal		
1	VN202 mkII		
1	Digital Voltmeter 5 Digit		

1. Connect Microcal to Digital voltmeter and st 50 mV as near as possible.
2. Plug microcal into VN202 and set 100.00 ensure calibration pot does not move
3. Set Microcal to 10.45 mV
4. Check VN202mkII reads 20.9
5. Connect Oxycal to Digital voltmeter and with the switch in 100% position set P2 to 50.0x-49.9x The last digit is difficult due to resolution of potentiometer.
6. Ensure Green LED is illuminated.
7. Connect Oxycal to VN202k mkII and with switch in 100% position set cal to read 100%
8. Switch Oxycal to 21% position and adjust P1 until VN202 mkII reads 20.9%. Again last two digits are difficult to set due to resolution of potentiometer.
9. Switch Oxycal between 1900% & 21% and the VN202 mkII should read 100% and 21%
10. Loctite both potentiometers.

NB. The overall accuracy of the VN202 mkII with sensor is +/- 1% so errors of +/- 0.1% incurred in the above set up are acceptable.