



SETTING TEMPERATURES

- I. Scope: To guide in setting the operating temp for a moly converter, mini-high converter and HC scrubber.
- II. Tools Required:
 - A. DC volt meter
 - B. Potentiometer adjusting tool (small flat tip)
- III. Parts:
 - A. none
- IV. Procedure:
 - A. The first thing to do is to attach the black lead of your DVM to J1 pin 5.
 - B. Next you want to measure the voltage at U1 pin 9 or pin 8 (pin 8 and 9 are connected together.)
 - C. Adjust R3 until the LED DS 1 is:
 - On (increasing temp)
 - Off (decreasing temp)
 You will wait until DS1 goes:
 - Off (increasing temp)
 - On (decreasing temp)

You will have to be patient and wait until the voltages get to the correct levels.

- D. Then adjust R3 again until DS1 goes on or off again.
- E. Wait until DS1 comes back on or off.
- F. Continue adjusting R3 until you get the desired voltage at U1 pin 9.
- G. For moly converters you will want $3.15 \pm .05$ VDC at U1 pin 9.
For mini hi-cons you will want $7.00 \pm .10$ VDC at U1 pin 9.
For HC/CO converters you will want $3.00 \pm .05$ VDC at U1 pin 9.
- H. Once you have the temperature to the correct voltage at U1 pin 9 you will want to adjust the voltage at J1 pin 2 (using the R5 pot) for:

Moly converter	$3.15 \text{ VDC} \pm .05$
Mini hi-con	$4.00 \text{ VDC} \pm .05$

H. C. scrubber 3.00 VDC \pm .05

DO NOT adjust the voltage at J1 pin 2 until you get the correct voltage at U1 pin 9.