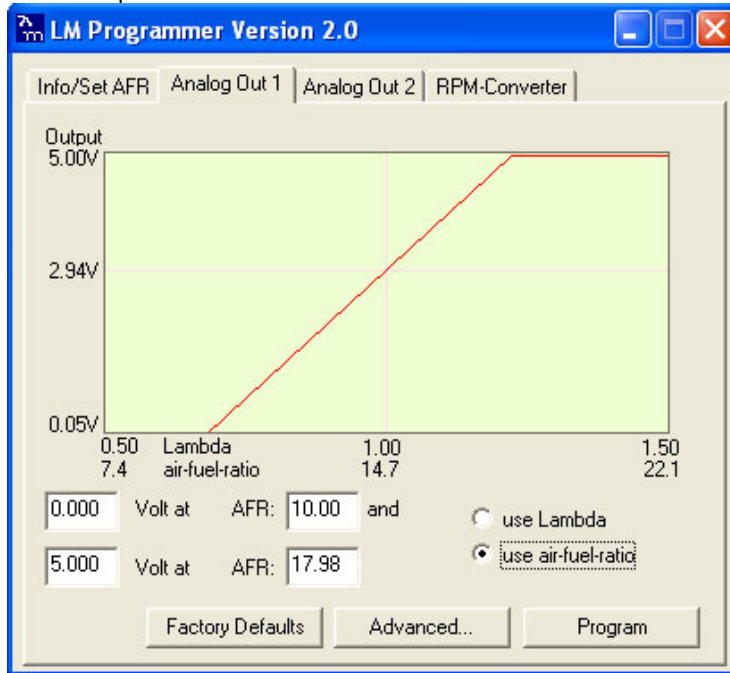**AN-14, Rev. 1: Application Note- Interfacing the LM-1 with Holley Commander 950**
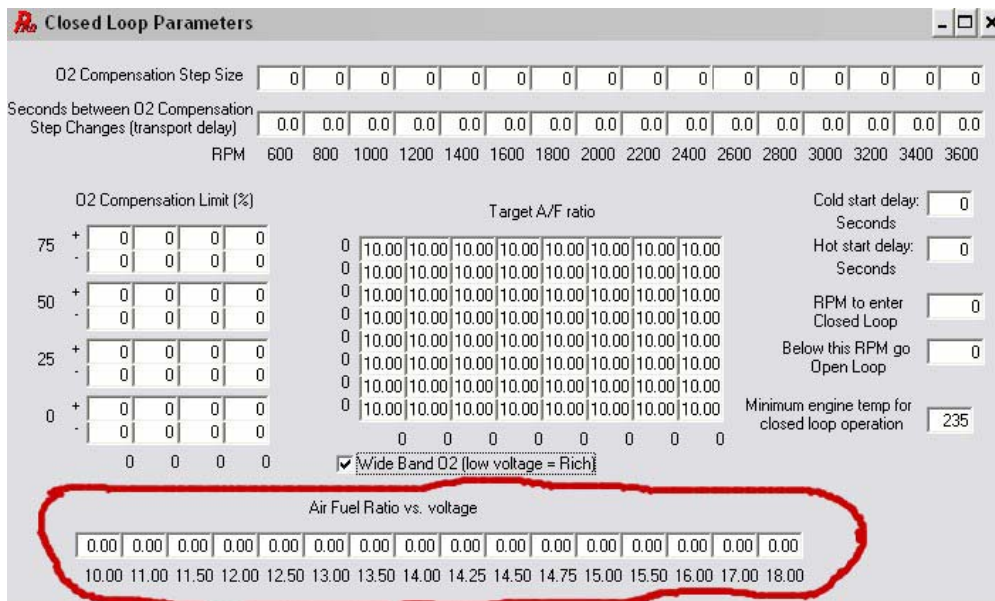
Since both the LM-1 and the Holley Commander 950 are programmable, it is simply a matter of matching the LM-1's output to the 950's input. Maximum resolution with minimum noise can be attained by setting up for the smallest AFR range over the largest voltage range. Here we'll discuss using 10-18 as the AFR range, although one could limit it even more (for example 12-16 AFR) without loosing much useful tuning range.

First program either of the LM-1's analog outputs (red/tip is out 1, white/ring is out 2 on the analog output cable) as follows: 0V=10AFR and 5V=18AFR. The setup screen will look like this:

The LM-1's output is inherently linear.   Next, program the 950's inputs with the appropriate voltages:

Voltage	0.00	0.63	0.94	1.25	1.56	1.88	2.19	2.50	2.66	2.81	2.97	3.13	3.44	3.75	4.38	5.00
AFR	10.00	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.25	14.50	14.75	15.00	15.50	16.00	17.00	18.00

NOTE: Be sure to ground the analog output ground to the same ground as your ECU. If ground offset does exist, you can either fix it or correct for it by subtracting the ground voltage offset from the table.