

LOAD/SAVE METER

by M.J. Raymond

Finding some time on my hands this summer, I decided to do something about the load problems on my T/S 1000.

Looking through the Radio Shack semiconductor guide, I found a circuit for an easy VU Meter. With only a few changes and an hour or two with a soldering iron, this could be a useful addition to your computer. Construction of the circuit is easy and straightforward. I changed the resistors to variable ones to provide for easy adjustment. The circuit in the book is for 0 to 10 volts which is a little high for our needs. The power leads connect directly to the 9 volt input to the computer. The signal input is soldered to the tape inputs and that is all there is to it!

After connecting up the leads, it will help to do a little experimenting. First, adjust R1 so that the loudest volume lights the last light on the bar graph. This can be done without using the LOAD on the computer, but it has to be turned on. R2 controls the brightness of the display. Set this where you like. Now, close up the case. Try LOADING a program several times to find the max. and min. volume that the computer will LOAD at. Mark these limits on the bar graph and as long as you maintain the volume between the marks, you should have a good LOAD.

I have found this circuit not only useful in LOADING, but it also helped to align the heads on my two recorders.

PARTS LIST:

1-RS276-150	Circuit board	\$.79
1-RS276-1991	20 pin socket	.59
1-RS276-1992	18 pin socket	.49
1-RS276-081	10 section LED Bar Graph	3.00
1-RS276-1709	LM3916N IC	2.99
1-	5K Variable Resistor	.59
1-	10K Variable Resistor	.59
10 in.-	Light Wire from work bench	
2 in.-	Solder from work bench	
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TOTAL:		\$10.00

All parts listed are available from your local Radio Shack.

(See diagram Page 108)

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