

Listing 2

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10 ' Voltmeter
20 ' By Jim 9/3/1988
30 addr=&8000:MEMORY &7FFF:lin=990
40 sum=0:FOR k=1 TO 16:READ a$:IF a$="END" THEN 50 ELSE a=VAL("&"
+a$):POKE addr,a:sum=sum+a:addr=addr+1:NEXT:lin=lin+10:READ a$:IF
VAL("&" +a$)<>sum THEN PRINT"DATA Error in Line",lin:STOP ELSE 40
```

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50 CALL &8000
100 MODE 2:INK 0,0:INK 1,26:BORDER 0:PAPER 0:CLS:LOCATE 1,24:PRINT
T"Switch position of the interface":LOCATE 10,25:PRINT"Press any
key"
110 LOCATE 3,13:PRINT"1: -0.05 To 0.05 V":LOCATE 3,14:PRINT"2: -0
.25 To 0.25 V":LOCATE 3,15:PRINT"3: -0.5 To 0.5 V"
120 LOCATE 3,16:PRINT"4: -2.5 To 2.5 V":LOCATE 3,17:PRINT"5: -5 T
o 5 V":LOCATE 3,18:PRINT"6: -25 To 25 V"
130 scale=3:LOCATE 8,3:PRINT"DC:":LOCATE 8,4:PRINT"AC:"
140 FOR k=0 TO 5:LOCATE 1,13+k:PRINT" ":NEXT:LOCATE 1,12+scale:PR
INT"#"
150 factor=0.1*(scale=1)+0.5*(scale=2)+1*(scale=3)+5*(scale=4)+10
*(scale=5)+50*(scale=6)
160 CALL &8000:LOCATE 11,4:PRINT PEEK(42002)/256*factor;" V"
170 a#=INKEY#:IF a#="" THEN 160
180 a=ASC(a#)-&30:IF a<1 OR a>6 THEN 160
190 scale=a:GOTO 140
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1000 DATA F3,06,00,21,00,82,C5,01,00,FC,ED,78,77,23,CD,70, 69A
1010 DATA 80,C1,10,F2,06,00,DD,21,00,82,11,00,00,21,00,00, 3FB
1020 DATA DD,7E,00,B7,16,00,5F,F2,2B,80,15,19,DD,23,10,F0, 652
1030 DATA 7C,32,3F,9C,32,3E,80,06,00,21,00,82,7E,D6,80,77, 56D
1040 DATA 23,10,F9,21,00,00,22,40,9C,22,42,9C,06,00,DD,21, 44F
1050 DATA 00,82,DD,6E,00,65,CD,78,80,ED,5B,40,9C,19,22,40, 696
1060 DATA 9C,2A,42,9C,23,30,03,22,42,9C,DD,23,10,E4,FB,C9, 6B2
1070 DATA ED,5F,CB,BF,3D,20,FD,C9,C5,E5,7D,B7,F2,81,80,ED, AB7
1080 DATA 44,5F,7C,B7,F2,89,80,ED,44,16,00,21,00,00,06,08, 547
1090 DATA CB,0F,30,01,19,CB,23,CB,12,10,F5,D1,7A,AB,E6,80, 750
1100 DATA 28,07,7C,2F,67,7D,2F,6F,23,C1,C9,00,00,00,00,00, 409
1110 DATA END
```