

## RF TEST METER

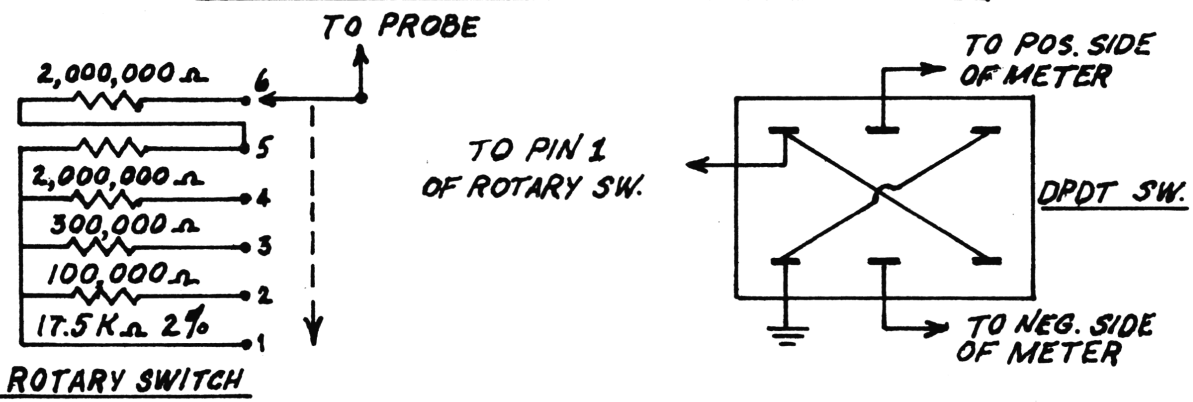
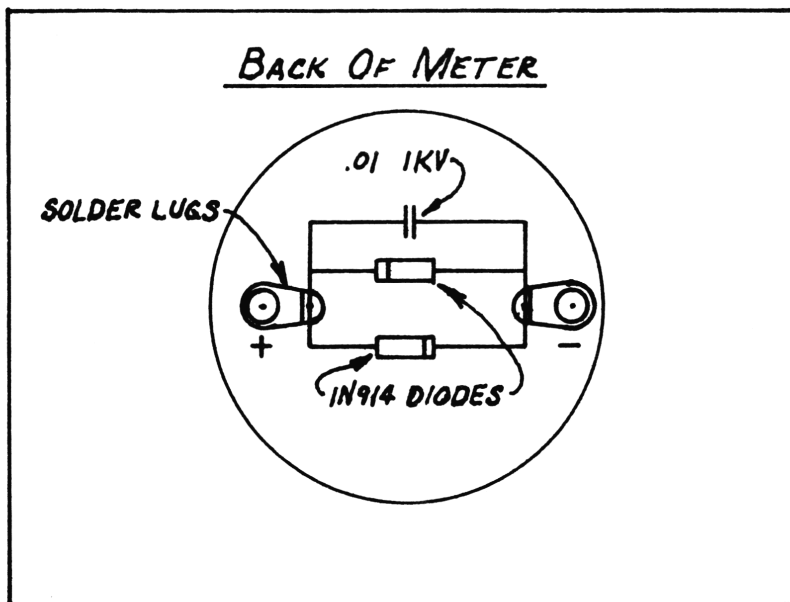
NOTE: We owe our readers an apology for a bit of confusion we caused over this item. In volume 7 we made mention of an RF test meter to be found elsewhere in the book, and then failed to put it in because of lack of space. So, here it is, and we hope we didn't cause too much inconvenience.

Have you ever wanted to check the output of your PLL to see if it was working, or align it to maximum RF out, or chase the mixer RF from the receiver oscillator all the way through the radio? Well, now for a small price and a little time and a few parts from your junk box, you can build Secret CB's RF Voltmeter that will measure all the way down to .5V. Pick up a few parts from your nearest parts supplier and the rest from your junk box and you are all set.

Parts are as follows:

- 2 @ 2 meg  $\frac{1}{2}$ W, 2% resistors
- 1 @ 300K ohm  $\frac{1}{2}$ W, 2% resistor
- 1 @ 100K ohm  $\frac{1}{2}$ W, 2% resistor
- 1 @ 17.5K ohm  $\frac{1}{2}$ W, 2% resistor
- 1 @ DPDT miniature toggle switch
- 1 @ ST 6 pole rotary switch
- 1 @ 0 to 50 microAmp DC meter
- 3 @ 1N914 diodes
- 1 @ 10K ohm  $\frac{1}{2}$ W resistor
- 2 @ .002pF 1000VDC capacitors
- 1 @ .01pF 1000VDC capacitor
- 1 @ SPDT miniature toggle switch
- 1 @ Miniature box to house meter
- 1 @ Scope probe case from ICO, or you may make one from a metal 35mm film can or use an aluminum cigar case, or a pill bottle.
- 1 @  $\frac{1}{4}$ " male mic plug
- 1 @  $\frac{1}{4}$ " female mic jack

Mount all parts in a convenient place in your box and, with a little care you will have a valuable test instrument that would cost \$100 to \$200 to go out and buy - if you were able to locate one in the first place.



- POS. 1 - .5  $\mu$ F RF .1VDC
- POS. 2 - 1V DC/RF
- POS. 3 - 5V DC/RF
- POS. 4 - 15V DC/RF
- POS. 5 - 100VDC
- POS. 6 - 200VDC

