



PROCEDURE:

1. Set RV1 to MAX, SW2 OFF, & RV2 to MIN
2. Set SW1 ON
3. Adjust RV1 for FULL SCALE reading on meter
4. Set SW2 ON
5. Adjust RV2 until meter does not change when SW2 is switched ON/OFF/ON
6. Turn SW1 & SW2 OFF
7. Measure value of RV2 via terminals A & B.

That is the APPROXIMATE value of the meter's internal resistance.

CREDITS: Originally published in SPRAT, Autumn 1992, page 21. Authored by Dave, G0DJJA. Later REVISED (in SPRAT) with the correct procedure shown here.

NOTE: "The system is not absolutely precise as the shunt alters the voltage developed across the meter terminals, and this will slightly reduce the meter reading. However, most meters develop only some 300mV the across their terminals at full scale, and since the supply voltage is 9VDC, the effect of adding the shunt resistor (RV2) is small."
...quoting G0DJJA (from the original article.)

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