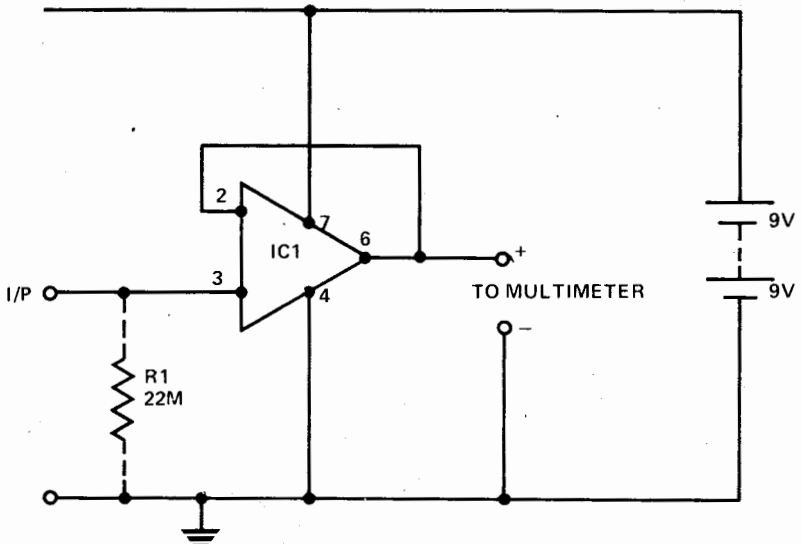
100,000MΩ DC PROBE?



Most multimeters used for transistor work have an input impedance of 20,000Ω/V.

Occasionally, especially when measuring potentials on high impedance equipment, this sensitivity is sufficient. The circuit shown, however, presents neglible loading on the circuit under test.

A 741 op amp is used with 100% AC and DC feedback to provide a typical input impedance of $10^{11}\Omega$ and unity gain *(or so the contributor, Ed.)*

Due to the possibility of hum and RF pickup the input leads should be kept as short as possible and the circuit should be mounted in a small *earthed* case.

The output leads may be as long as required since the output impedance of the circuit is a fraction of an ohm.

With no input the output level is indeterminate. This state of affairs can be changed by including R1 in the circuit through this lowers the input impedance to 22MΩ.