

capacitance meter

If you have a VOM, this nifty circuit will let you measure the capacitance of any capacitor. Your VOM measures the current flowing through the capacitor under test, and using the equation given, you can convert that to capacitance.

Operation is based on the fact that the current flowing through a capacitor is directly proportional to the frequency of voltage applied. Knowing the voltage, current and frequency, you calculate the capacitance.

By selecting the proper resistance, you can obtain a frequency that produces a current flow compatible with your VOM scale. To avoid pinning the meter, always start with the highest resistance. This produces the lowest frequency, and the lowest current flow.

