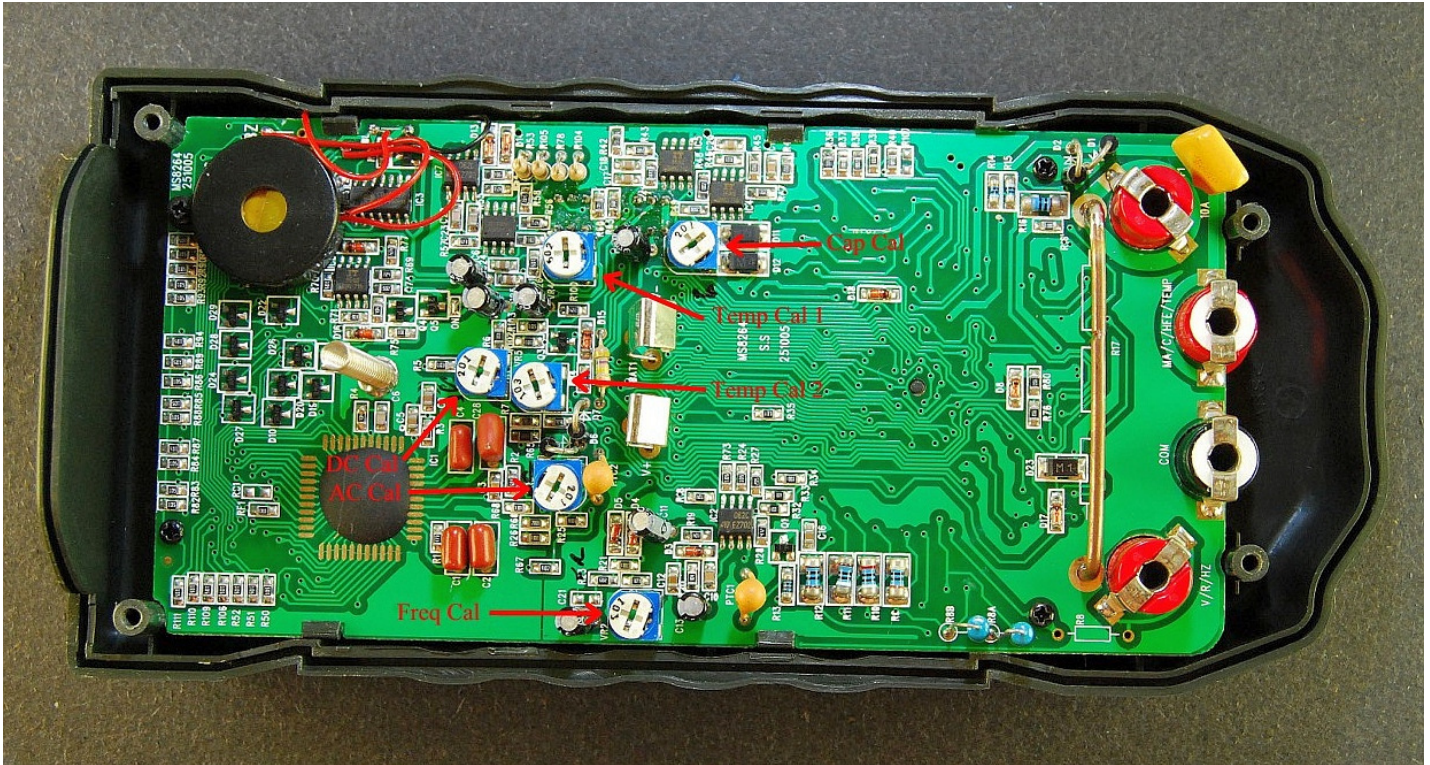


## Calibration of the CSIMS8264



**WARNING! This procedure is for use by qualified personnel only! Opening the meter may and can expose you to lethal voltages as well as void your warrantee!**

Remove the battery cover (2 screws) and battery.

Remove the rubber boot.

Remove the back cover (4 screws). This will expose the circuit board for calibration.

You will need to apply a 9 Volt power source to the meter. Use a regulated power supply or a fully charged 9 volt battery with clipped leads.

During the calibration process, power on the meter and ensure the "HOLD" button is NOT on.

**DC Calibration:** Set the function switch to 20 volts DC. Apply 10 Volts DC to the +V and -COM terminals and adjust the **DC Cal** Potentiometer to read +10.00 volts DC.

**AC Calibration:** Set the function switch to 20 volts AC. Apply 14.142 Volts Peak (or 10 Volts Average) Sine 60hz AC to the +V and -COM terminals and adjust the **AC Cal** Potentiometer to read 10.00 volts AC.

**Frequency Calibration:** Set the function switch to 20khz. Apply 5 Volts Peak at 10khz AC to the +VΩHz and -COM terminals and adjust the **Freq Cal** Potentiometer to read 10.00khz.

**Capacitance Calibration:** Set the function switch to 20uf. Apply a 10uf reference to the +mA||hfe and -COM terminals and adjust the **Cap Cal** Potentiometer to read 10.00uf.

**Note:** For the following calibration you may use the supplied K Type adaptor while observing the proper annotated polarities. Otherwise the RED °F is for the -K type lead, and the BLACK COM is used for the +K Type lead.

**Temperature Calibration:** Set the function switch to °F. Set the temperature calibrator to Type K Output 0°. Apply a 0° reference to the °F and Com terminals and adjust the **Temp Cal 2** Potentiometer to read 000°. Set the temperature calibrator to Type K Output 500°. Apply a 500° reference to the °F and Com terminals and adjust the **Temp Cal 1** Potentiometer to read 500.0°. This process may have to be repeated more than once since the **Temp Cal Pots 1 and 2** interact.