



22 CALIBRATION PROCEDURE

The procedure should be performed at an ambient temperature of $25\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, and at a relative humidity of less than 75 % .

A. DCV Calibration

- Set the range to the “400mv” position .
- Set the output of the DC calibrator for $390\text{mv} \pm 0.02\%$. and connect it to the “V- Ω ” , and “COM” input jacks .
- Slowly adjust the “R45” until the display reads $390.0\text{mv} \pm 1$ digit .
- Carefully inspect the other DCV ranges, your reading should be within the specification of instruction manual .
- There is no adjustable parts for the ACV range, your reading should be within the specification of instruction manual .

B. DCA Calibration

- Set the range to the “20A” position .
- Set the output of the DC calibrator for $1.9\text{A} \pm 0.02\%$. and connect it to the “20A” , and “COM” input jacks .
- Adjust “Shunt resistance” until the display reads 1.9A,if the reading is over 1.9A, add solder onto Shunt resistance , on the contrary the reading is under 1.9A, shave away some of solder from it ,carefully inspect the other ranges , your reading should be within the spec of instruction manual .

C. Capacitance and Inductance calibration

- Set the range to the “cx” position .
- Slowly adjust the “R42” until the display reads 100nF .



