PC AND PLC LIFE TESTER TEST REQUIREMENTS

Each PC or PLC Life Tester is to be tested and calibrated to the standards as follows prior to shipment to any customer:

CALIBRATION:

1.) The tester timing is to be measured and set to ± 0.1 seconds out of a 15 minute time
    a. Using the Schap Electronic Timer, test for the actual tester seconds vs. the 900 required by the timer (15 minutes x 60 seconds = 900)
    b. Adjust the tester timer electronically until it is within 899 to 901 seconds vs. the standar
2.) The tester current is to be measured to within ±0.1 amps vs. the calibrated current of the power supply
    a. Read the output current from the test channel vs. the power supply output
    b. Use the channel amplifier to adjust the current at the high end (span) and the low end (offset) to be sure that the calibration is accurate across the entire range
    c. Adjust the channel amplifiers with the SPAN and OFFSET adjustments to reach the current to within 0.1 amps at both ends of the range
    d. Repeat for all 4 channels
3.) The tester voltage is to be measured to within ±0.1 volts vs. the calibrated voltage of the power supply
    a. Read the output voltage from the test channel vs. the power supply output
    b. Use the voltage amplifier to adjust the voltage at both the high end (SPAN) and the low end (OFFSET). Adjust until the output voltage is within ±0.1 volts

TEST SET UP AND REPORTS:

1.) Run a trial test set up on each channel to make sure that the program accepts the changes and can create the output.
2.) Test each pull down tab for function

VISUAL:

1.) Review visually each meter, handle, cable, etc. for integrity
2.) Replace any component that is suspect

Sign off that the tester is OKAY _____

Date: _____

Operator name: _____