CPS-3205E Calibration Procedure

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NOTE! Once you enter the Calibration Mode, you must complete the entire procedure as stated. If the Calibration Mode is aborted prior to full completion, the unit will display **ECP/ECP**(OUP) and not be functional until you properly complete the full Calibration Procedure. Don't worry, if required, it is easy to simply repeat the procedure starting again from Step 1.

Represents a CPS-3205E's front panel display and controls, although not an actual CPS3205E

CPS-3205E Calibration Procure:

1. With the Power Supply (**PS**) OFF (and all LED's OFF), set the 'V/A' selection switch to A.

2. Press and hold-in the front panel 'Control Knob' while turning the PS ON (via the rear panel Power Switch). Release the 'Control Knob'. The PS should display 'PUSH OFF'.

3. Press the 'ON/OFF' button **once**, and then press 'LOCK' **twice**. The PS display should show 03.00 V and 0001 A. The PS is now in the **Voltage Calibration Mode** for Steps 4, 5.

4. Connect a calibrated digital DC Voltmeter (without any DC Load) to the PS Output terminals and adjust the PS 'Control Knob' for 3.000* V on the meter (* the least significant digit isn't critical, although try for close to 0). Then press 'ON/OFF' **once** to store the Calibration Setting and configure the Calibration Mode for 30.00 V.

5. The PS display should show 30.00 V and 0001 A. Adjust PS 'Control Knob' for 30.000* V. Press 'ON/OFF' **once** to store this Calibration Setting, and configure the PS for the **Current Calibration Mode** in Steps 6, 7.

6. Connect a calibrated digital DC Ammeter directly across PS output in place of the DC Voltmeter (there will be spark as you are discharging the PS's DC output capacitor). Press 'ON/OFF' **once**. The display should show 0001 V and 01.00 A. Adjust PS 'Control Knob' for 1.000* A. ⚠ For optimum Calibration Accuracy try to complete this Step within ≤ 1 minute.

7. Press 'ON/OFF' **once** and the display should show 0001 V and 5.000 A. Adjust the PS 'Control Knob' for 5.000* A. ⚠ For optimum Calibration Accuracy try to complete this Step within ≤ 1 minute.

8. Note: Leave the digital DC Ammeter used in Step 6 and 7 connected to the PS Output for this Step. Press ON/OFF to **exit the Calibration Mode** and return to Normal Operation.

9. The display should show OFF. Turn OFF the PS via the rear panel Power Switch. Disconnect the DC Ammeter from the PS output Terminals. 👍 Calibration completed!