Fluke 332A   Procedure to linearize string and calibrate using 8 ½ digit Keithley 2002 DMM.

Set range to 1000V. Set dials to 000.0000. Turn output on. Adjust R112 for as close to 0V as possible on the DMM. This is a bit challenging.

Set dials to 00X.0000. Adjust 1000V CAL pot for as close to 10.0000000V as possible on the DMM. This is the foundation of the non-adjustable part of the string and sets the current for the entire string.

Change second decade dial to 1 for a reading of 01X.0000. Adjust R907 for as close to 20.0000000V as possible on the DMM.

Change second decade dial to 2 for a reading of 02X.0000. Adjust R908 for as close to 30.0000000V as possible on the DMM.

Change second decade dial to 4 for a reading of 04X.0000. Adjust R909 for as close to 50.0000000V as possible on the DMM.

Change second decade dial to 6 for a reading of 06X.0000. Adjust R910 for as close to 70.0000000V as possible on the DMM.

Change second decade dial to 8 for a reading of 08X.0000. Adjust R911 for as close to 90.0000000V as possible on the DMM.

Change second decade dial to X for a reading of 0XX.0000. Adjust R912 for as close to 110.000000V as possible on the DMM.

Change first decade dial to 1 and the third decade dial to 0 for a reading of 1X0.0000. Adjust R901 for as close to 200.000000V as possible on the DMM.

 Change first decade dial to 2 for a reading of 2X0.0000. Adjust R902 for as close to 300.000000V as possible on the DMM.

Change first decade dial to 4 for a reading of 4X0.0000. Adjust R903 for as close to 500.000000V as possible on the DMM.

Change first decade dial to 6 for a reading of 6X0.0000. Adjust R904 for as close to 700.000000V as possible on the DMM.

Change first decade dial to 8 for a reading of 8X0.0000. Adjust R905 for as close to 900.000000V as possible on the DMM.

Change dials to read 1000.00000. adjust R906 for as close to 1000.0000V as possible on the DMM on the DMM.

This completes the linearization of the string.

Next set the dials to 100.00000 on the 100V range. Adjust the 100V CAL pot for a reading of 100.000000V on the DMM.

Set the range to 10V. Adjust the 10V CAL pot for a reading of 10.0000000V on the DMM.

You are finished. Enjoy!