

531 CALIBRATION PROCEDURE

Note: The following calibration procedure should perform only by a qualified for technician who have access to the items as following.

Equipment:

1. 2.5D Mono phone plug / banana plug adapter cable (CHY BOM No. 14612-0630).
2. A gas-filled tungsten-filament lamp operating at a correlated color temperature of 2856K.
3. 4 1/2 digital multimeter.

Zero Calibration

Set the function /range to the 200lux, then cover sensor head, Adjust VR9 until display reads 00.0 ± 2 dgts.

Basic Calibration

1. Insert the adapter cable to the meter input phone jack, and the other side of this cable to the 4 1/2 digital Multimeter input jacks, then Set the function/range to the DC 2V range.
2. Set the function /range to the 2000lux, then apply 1800lux adjust VR8 until the reading of the luxmeter is equal to the reading of the 4 1/2 digital multimeter
Apply 1800lux adjust VR6 until the display readings 1800 ± 2 dgts.
4. Set the function /range to the 200lux, then cover sensor head, Adjust VR9 until display reads 00.0 ± 2 dgts.

Peak Hold Zero Calibration

Press PEAK button and Adjust VR7 until display reads 1800.0 ± 5 dgts.

20lux Calibration

Set the function /range to the 20lux, then apply 180lux adjust VR1 until the display readings 18.00 ± 2 dgts.

200lux Calibration

Set the function /range to the 200lux, then apply 180lux adjust VR2 until the display readings 180.0 ± 2 dgts.

200fc Calibration

Set the function /range to the 200fc, then apply 1800lux adjust VR5 until the display readings 167.2 ± 2 dgts.

2000lux X10 Calibration

Set the function /range to the 2000lux X10, then apply 18000lux adjust VR4 until the display readings 1800 ± 2 dgts.