Calibration Instruction

KD Series

Calibration instrument: benchtop multimeter with 6.5 digits display, 5A electronic load with milliamp display or multimeter with milliamp display which can test 5A.

Being into calibration mode: set the voltage as 12.34V, then press and hold the voltage adjustment knob; and switch on at the same time (and then let go of the voltage knob). At this time, the voltage display is 0 and blinks; and OCP indicator lights on which means the power supply is in the mode of zero calibration.

1. Voltage Zero Calibration: connect the positive pole and negative pole of the multimeter leads into the output terminals respectively. Then, watch the voltmeter and adjust the knob to make the multimeter in the range 0v – 5mv. After that, the zero calibration is over. Press the voltage knob to save the calibration value.
2. Current Zero Calibration: press the current knob and the current display of the power supply blinks. Connect the milliampere shelf of the amp meter and watch the multimeter. And then fine tune the current knob to make the multimeter display value as 1-2ma. After that, press the voltage knob to save the calibration value; then disconnect the multimeter probe.

Press the current adjustment knob to make the voltage display blinks; then press the voltage for around 3 seconds and CC indicator lights on; and then the voltage display is around 30V and blinks, which means the power supply is in the mode of full-range calibration. Go ahead with the following operations:

3. Voltage full-range calibration：adjust the multimeter in the shelf of 30V voltage test and then connect the output terminals. Fine tune the current knob and then adjust the multimeter display between 30.01 – 30.02. Press the voltage knob to save the calibration value.
4. Current full-range calibration: press the current knob and the amp meter of the power supply blinks, which means it is in the mode of current full-range calibration. At this time, connect the amp meter in the shelf of 5A (or electronic load), and then fine tune the current knob ; after that, adjust the current value of the multimeter to 5.000A±5MA and then press the voltage knob to save the calibration value.
5. Switch off, and then restart the power supply. The calibration ends.