

Circuit Specialists, Inc

Single Output DC Bench Power Supplies with Large Digital Display

CSI3010X

0-30 VDC / 0-10A Regulated Power Supply

CSI3020X

0-30 VDC / 0-20A Regulated Power Supply

CSI4010X

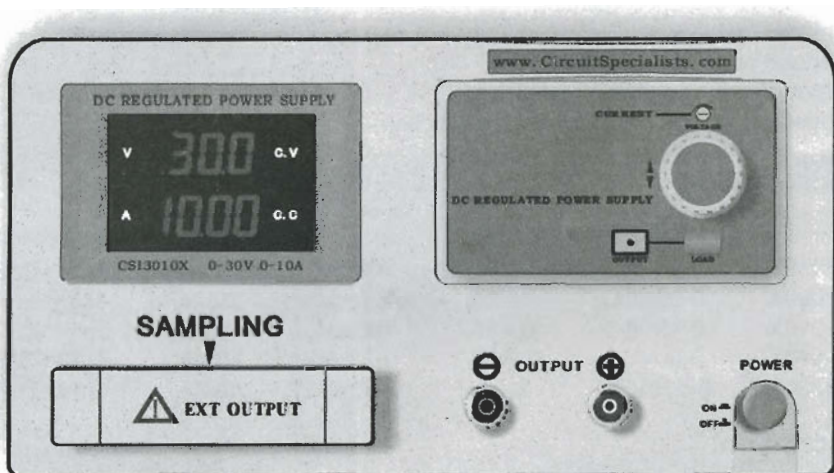
0-40 VDC / 0-10A Regulated Power Supply

CSI6010X

0-60 VDC / 0-10A Regulated Power Supply

CSI12003X

0-120 VDC / 0-3A Regulated Power Supply



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General Description:

Your new DC Regulated Power Supply provides accurate & stable DC power. It is ideal for test benches, laboratories, schools & repair facilities. The multi-turn voltage control knob helps the user accurately dial in precise voltage. The large easy to read digital readout accurately displays the outputs (voltage & current). This product is expertly manufactured for Circuit Specialists, Inc., and incorporates SMT PC boards & a built in cooling fan for reliable performance.

Features:

- * SMD technology
- * Attractive digital display shows voltage & current
- * Built in cooling fan
- * High precision voltage regulation
- * Progressive current regulation
- * Dual terminal system: Safety test style or expandable screw terminals
- * Overload protection circuit
- * Output polarity: positive or negative
- * Rugged reinforced metal frame construction

Specifications:

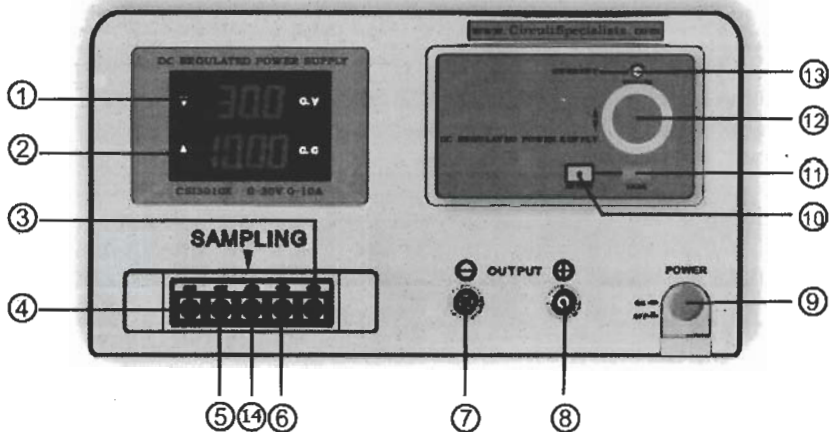
	Voltage	Current	Display		Ripple&Noise
CSI3010X	0-30VDC	0-10A	100mV	10Ma	1mV RMS
CSI3020X	0-30VDC	0-20A	100mV	10Ma	1mV RMS
CSI4010X	0-40VDC	0-10A	100mV	10Ma	3mV RMS
CSI6010X	0-60VDC	0-10A	100mV	10Ma	3mV RMS
CSI12003X	0-120VDC	0-3A	100mV	10Ma	5mV RMS

Description:

Utilizes SMD technology
Light & Compact
Output Polarity: Positive and Negative
Digital Display, showing Voltage and Current value
Overload Protection Circuit
Applicable to School, Production Line, Laboratory and Maintenance

Technical:

Input voltage: AC 110V +/- 8%
Dimensions (WxHxD) 265x140x360mm
Weight 12Kg~20Kg

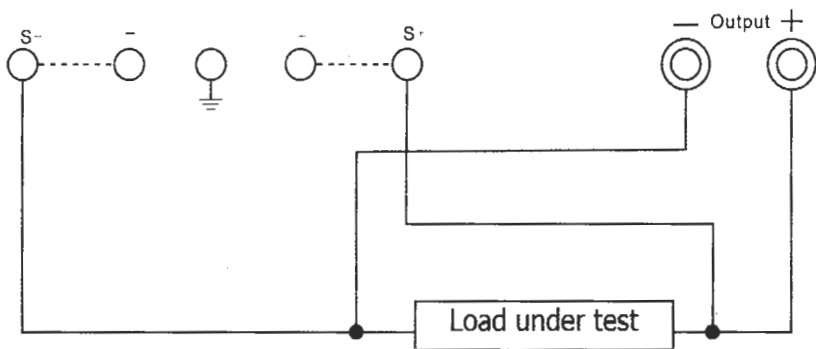


- | | |
|-----------------------|-----------------------------|
| 1. Voltage indication | 8. + Output terminal |
| 2. Current indication | 9. Power switch |
| 3. +S output port | 10. Output light |
| 4. -S output port | 11. Output switch |
| 5. - Output port | 12. Voltage adjustment knob |
| 6. + Output port | 13. Current adjustment pot |
| 7. - Output terminal | 14. Chassis ground |

Operating Instructions:

1. Press the power on/off button to turn power on.
2. Adjust the voltage knob to set the desired voltage. (voltage level is shown on the digital display)
3. Adjust the current level pot with a small regular screwdriver to set the maximum desired current level. (The current level of the power supply is set to the maximum current level at the factory)
4. Connecting a load to the output terminals and pressing the output switch will illuminate the output indicator light and also display the current output setting on the digital display.
5. The sampling terminals are not normally used. Use them under the following conditions: If the load is located at a distance from the power supply, the sampling terminals may be used to compensate for the voltage drop inherent in longer power lines.

Sampling connection diagram:



Attention: Disconnect the installed S- & S+ shorting wires when using the sampling connections.