



## LUMETRON EP-4DC Digital DC Power Supply



The **LUMETRON EP-4DC** series of Digital, DC, Variable Power supplies from Lumetronics are a range of high grade laboratory power supplies capable of delivering upto 450W of power. These custom built models are easy to use, provide medium power, low voltage output and are capable of operating in laboratory or industrial environments. They have been designed keeping in mind the specific requirements of electronic and photometric laboratories and provide the most frequently required voltage and current ratings, while offering a safe overload protection. These power supplies are capable of supplying the maximum specified current at low voltage settings also. Output voltages are precisely regulated with very low ripple content.

### Features

- \* High stability, low ripple, professional grade dc power supply units from 150W to 450W.
- \* Precision digital meters for accurate indication of voltage and current.
- \* Single and dual output models.
- \* Sense terminals for remote monitoring of output voltage.
- \* Precision, multi turn controls for voltage and current adjustment.
- \* Constant Voltage (CV) or Constant Current (CC) operating modes.
- \* Output short circuit current can be limited in Constant Voltage Mode.
- \* Input pre-regulation circuit to reduce heat dissipation and improved safety.

### Models

- \* LUMETRON EP-42 : 15V, 10A, single output, 150W
- \* LUMETRON EP-44 : 30V, 10A, single output, 300W
- \* LUMETRON EP-46 : 15V, 5A, 30V, 10A, dual output, 375W
- \* LUMETRON EP-48 : 15V, 10A, 30V, 10A, dual output, 450W

### Specifications

|                        |  |
|------------------------|--|
| <b>Output Voltage</b>  | : Adjustable from 10% to 100% of rated output voltage                      |
| <b>Output Current</b>  | : Adjustable from 10% to 100% of rated output current                      |
| <b>Meter Accuracy</b>  | : +/- (0.5% of reading + 1 digit)  |
| <b>Metering</b>        | : Independent meters for Voltage and Current, 3 ½ ( or option 4 ½ digits ) |
| <b>Load Regulation</b> | : +/- (0.05% + 5mV) in CV Mode, +/- (0.05% + 2mA) in CC Mode               |
| <b>Line Regulation</b> | : +/- (0.05% + 5mV) in CV Mode, +/- (0.05% + 2mA) in CC Mode               |
| <b>Ripple</b>          | : Less than 5mV rms in CV Mode, Less than 0.05% of range, rms in CC Mode   |
| <b>Input Supply</b>    | : 220~240 V AC, 50~60 Hz, +/- 5%, single phase,                            |

These instruments are manufactured in INDIA. LUMETRONICS reserves the right to change the specifications or design without prior notice.

