

LIGHTSABER

- ✓ **Corrosion resistant body**
- ✓ **Display for voltage**
- ✓ **Negligible voltage dip on connecting to electrophoresis unit**
- ✓ **Output voltage: 50 – 200 V**
- ✓ **Max current: 150 mA**



Lightsaber

Features of this apparatus

Economical

- Less space required by virtue of its compact design
- Achieve short run times due to high current capacity
- No cold room required as power packs can be connected in the refrigerator*

Rugged

- Made of thick quality plastic
- Slow blow fuse to safe guard the transformer
- No corrosion on the body as it is resistant

Easy-To-Use

- Easy to use 4 mm banana plug connectors
- Easy to choose selector switch and/ or knobs

Error Minimization

- Made of shock proof plastic body
- Color coded to avoid errors
- Slow blow fuse to protect the transformer

Ordering description

Lightsaber (E4100030): Power supply, Range 50-200 V, upto 150 mA, dual output, LED display for voltage and current, with CV, CC and autocrossover.

SUGGESTION

Order along with Ready-to-use system
Ecopage, Slimpage, Ecosub, Slimsub.

Complete Specifications

Details	Lightsaber
Voltage Output	50-200 V
Current Output	0 - 150 mA DC
Number of Outputs	2
Power (Wattage)	30 W
Voltage Adjustment	1 V increment via one turn knob
Current Adjustment	1 mA increment via one trun knob
Mode of Regulation	Constant voltage, current limited
Voltage Indicator	On front panel 3.5 digit voltmeter
Timer	None
Autorecovery on power failure Set point stays indefinitely	Yes
Operating temperature range	0°C to +40°C
Voltage input	230 rms, 50 Hz, single phase
Frequency	47 Hz to 53 Hz
Transient suppression provided	Yes
Component details Mains switch Fuse Output socket Mains inlet	Illuminated rocker switch 1A, on back panel 4 mm female on front panel IEC C14 on back panel
Line regulation in CV mode	Better than +/- 2%
Load regulation in: no load to full load variation (in CV mode)	Better than 10% for 10%-100% load variation or vice versa
Ripple and noise in CV mode	Less than 1% peak to peak at highest output voltage
Overload protection	Manual recovery after removal of overload
Short circuit protection	Latched shutdown type
Overvoltage protection	Latched shutdown type at 15% approx. over set output voltage
Isolation - between AC input & DC output terminals - between DC output terminals and chassis	2.1KV AC for 1 min 500V AC for 1 min
Insulation - between DC output a& chassis	100 Mohms @ 50 DC
Humidity tolerance	upto 95% (non condensing)
Cooling	By fan, venting at the bottom, back and sides
Dimensions of the body [measurement excludes projecting knobs, handles and switches]	196 mm (w) x 81 mm (h) x 132 mm (d)