

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 turn 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 & 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) |