

## ELECTRACOMET

**Cat No. 26-00500**  
Without timer

**Cat No. 26-T0500**  
With timer

### Output range

**0-200 V      0-500 mA      0-100 W**

- ✓ Four sets of output terminals
- ✓ Can be used in cold room or incubator (-10° C to +50° C)
- ✓ Dual mode (CV & CC) with auto crossover
- ✓ Independent digital displays for mA, volts & timer (resolution 1 mA, 1 V)
- ✓ Output Voltage and Current can be set to any desired value within range
- ✓ Noise and vibration free
- ✓ Light weight Aluminium body with handles provided for portability



Electracomet  
(without timer)

### Features of this apparatus

#### Rugged

- Reduced probability of transistor burnout as MOSFETs with high voltage and current capacity used.
- Instantaneous voltage stabilization, input voltage spikes removed.
- Can be used in low voltage & high current applications
- Large operating temperature range (-10° C to +50° C)

#### Convenience

- Small foot print due to the low EMI radiation of transformer.
- Voltage, current and timer readings can be viewed simultaneously due to the independent displays
- Four outputs in parallel
- Low heat dissipation, hence can be placed in a cold room or cold cabinet without affecting cabinet temp.

#### Safety

- No shock from accidental contact with single output due to high insulation between primary and secondary windings of transformers.
- Short circuit proof due to special motherboard design.
- CE certified
- Low EMI radiation

#### Economical

- Four apparatus of similar resistance can be run simultaneously.
- Reduced maintenance and repairing cost as low probability of burnouts and short circuits
- Less than 10% dissipation of energy as heat
- No moving parts which may need replacements

### Ordering description

**Electracomet (26-00500):** DC power supply, range 200 V, 500 mA, 100 W, constant voltage or constant current mode with MOSFETS, autocrossover, four outputs, independent digital displays for mA & V.

**Electracomet (26-T0500):** DC power supply, range 200 V, 500 mA, 100 W, constant voltage or constant current mode with MOSFETS, autocrossover, four outputs, independent digital displays for mA & V, with timer.

### Technical specification

| Feature            | Electracomet<br>26-00500            | Electracomet (with timer)<br>26-T0500 |
|--------------------|-------------------------------------|---------------------------------------|
| Voltage Output     | 0-200V                              | 0-200V                                |
| Current output     | 0-500mA DC                          | 0-500mA DC                            |
| Power (wattage)    | 100 W                               | 100 W                                 |
| Voltage adjustment | 1 V increment<br>via ten turn knob  | 1 V increment<br>via ten turn knob    |
| Current adjustment | 1 mA increment<br>via one turn knob | 1 mA increment<br>via one turn knob   |
| Mode of regulation | CVCC with LED indication            | CVCC with LED indication              |
| Timer              | No                                  | Yes                                   |

|   |   |  |
|---|---|--|
| Timer Display   | -   | Dual, 3 digit LED display  |
| Time ranges   | -   | Select between nine time ranges<br>0 - 9.99/ 99.9/ 999 sec<br>0 - 9.59 min:sec, 99.9/ 999 min<br>0 - 9.59 hr:min, 99.9/ 999 hr |
| Programmable  | No  | Yes  |
| Auto recovery on power failure<br>Set point stays indefinitely  | Yes                                       | Yes  |
| Timer recovery on power failure   | -   | Yes, memory retention for 10 years   |
| Pause resume function key   | Yes                                       | Yes  |
| Operating temperature range   | -10°C to +50°C                            | 0°C to +50°C   |
| Voltage input   | 230V rms, 50 Hz, single phase             | 230V rms, 50 Hz, single phase  |
| Voltage Variation (from nominal AC input voltage)   | +10%, -15%                                | +10%, -15%   |
| Frequency   | 47Hz to 53Hz                              | 47Hz to 53Hz   |
| Transient suppression provided  | Yes                                       | Yes  |
| Component details   |   |  |
| Mains switch  | Illuminated rocker switch                 | Illuminated rocker switch  |
| Fuse  | On front panel                            | On front panel   |
| Pause/ resume switch  | Rocker switch                             | Rocker switch  |
| Timer ON/ OFF switch  | -   | Rocker switch  |
| Timer reset switch  | -   | Push button (momentary)  |
| Output socket   | 4mm recessed female                       | 4mm recessed female  |
| Mains inlet   | IEC C14                                   | IEC C14  |
| Output is fully isolated from input   | Yes                                       | Yes  |
| Line regulation<br>in CV mode<br>in CC mode   | Better than<br>+/-0.25%<br>+/-0.5%        | Better than<br>+/-0.25%<br>+/-0.5%   |
| Load regulation in:<br>- no load to full load variation (in CV mode)<br>- change in zero to max output (in CC mode) | +/-0.25%<br>+/-0.5%                       | +/-0.25%<br>+/-0.5%  |
| Ripple & noise<br>in CV mode<br>in CC mode  | 100mV rms max. 20Hz-20MHz<br>5mA rms max. | 100mV rms max. 20Hz-20MHz<br>5mA rms max.  |
| Automatic overload & short circuit protection with self-recovery  | Yes                                       | Yes  |
| 3.5 digit voltmeter and ammeter (independent display)   | Yes                                       | Yes  |
| Isolation<br>~ between AC input & DC output terminals<br>~ between DC output terminals and chassis                  | 2.1KV AC for 1 min<br>1.5KV AC for 1 min  | 2.1KV AC for 1 min<br>1.5KV AC for 1 min   |
| Insulation<br>~ between output & chassis  | > 10Mohms @ 250DC                         | > 10Mohms @ 250DC  |
| Humidity tolerance  | upto 95% (non condensing)                 | upto 95% (non condensing)  |
| Cooling by normal convection, venting at the bottom and sides   | Yes                                       | Yes  |
| Dimensions of the body<br>[measurement excludes projecting knobs, handles and switches]                             | 155 mm (w) x 250 mm (h) x 205 mm (d)      | 155 mm (w) x 250 mm (h) x 205 mm (d)   |