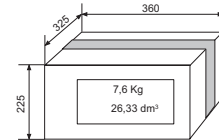
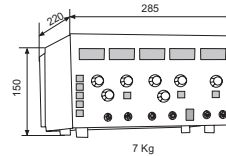




- EASY** : Direct digital display of voltage and current, even in the series or parallel mode.
- SURE** : Automatic disconnection each time the master and slave channel configuration is changed.
- COMPLETE** : Third channel with fixed or variable position and voltage or current display.
- EFFECTIVE** : I<sub>dc</sub> adjustment independent of load.
- QUIET** : Silent temperature-controlled fan cooling.

### 200 WATTS

- 2 X 0 - 30V                    0 - 3A or
- 1 X ± 0 - 30V                0 - 3A or
- 1 X 0 - 60V                    0 - 3A or
- 1 X 0 - 30V                    0 - 6A +
- 1 X 2 - 5,5V                   3A or
- 1 X 5,5 - 15V                 1A



## Specifications

| CHANNELS                        | MASTER AND SLAVE                    |           |         |          | AUXILIARY |           |
|---------------------------------|-------------------------------------|-----------|---------|----------|-----------|-----------|
|                                 | Independent                         | Tracking  | Series  | Parallel | Variable  | Variable  |
| Configuration                   | Independent                         | Tracking  | Series  | Parallel | Variable  | Variable  |
| Output voltage                  | 0 - 30V                             | ± 0 - 30V | 0 - 60V | 0 - 30V  | 2 - 5,5V  | 5,5 - 15V |
| Minimum voltage                 | ± 10mV                              | ± 10mV    | ± 20mV  | ± 10mV   | < 2V      | -         |
| Ripple (mV rms)                 | 1mV                                 | 1mV       | 1mV     | 1mV      | 1mV       | 1mV       |
| Load regulation from 0 to 100%  | 12mV                                | 12mV      | 50mV    | 24mV     | 12mV      | 10mV      |
| Line regulation from -6 to +7%  | 5mV                                 | 5mV       | 5mV     | 5mV      | 5mV       | 1mV       |
| Internal resistance             | 4mΩ                                 | 4mΩ       | 16mΩ    | 4mΩ      | 4mΩ       | 4mΩ       |
| Resp. for 10 to 90% load change | 30μs                                | 30μs      | 30μs    | 30μs     | 100μs     | 60μs      |
| Display resolution              | 100mV                               | 100mV     | 100mV   | 100mV    | 10mV      | 100mV     |
| Display                         | 14 mm 3 digit LED digital voltmeter |           |         |          |           |           |
| Output current                  | 0 - 3A                              | ± 0 - 3A  | 0 - 3A  | 0 - 6A   | 3A        | 1A        |
| Minimum current                 | 10mA                                | 10mA      | 10mA    | 20mA     | -         | -         |
| Ripple (mA rms)                 | 1mA                                 | 1mA       | 1mA     | 4mA      | -         | -         |
| Load regulation from 0 to 100%  | 2mA                                 | 2mA       | 4mA     | 8mA      | -         | -         |
| Line regulation from -6 to +7%  | 1mA                                 | 1mA       | 1mA     | 5mA      | -         | -         |
| Display resolution              | 10mA                                | 10mA      | 10mA    | 10mA     | 10mA      | 10mA      |
| Display                         | 14 mm 3 digit LED digital ammeter   |           |         |          |           |           |

### Power supplies A and B (master and slave)

- The Standby mode disconnects the output terminals. It is automatic upon a change of mode.
- The I<sub>dc</sub> push-button shorts the output in the standby mode. It is used for setting I<sub>max</sub>.
- Indicators : green LED for voltage regulation, red LED for current regulation.
- Display : automatic display switching depending on selected configuration.

### AUXILIARY power supply

- The Display button switches the display between voltage and current.
- The voltage is continuously adjustable from 2 to 15V. The max current goes from 3A to 1A after 5,5V.

### Protection

- Short circuit protection, by current regulation.
- Overtemperature protection, by temperature-controlled fan, thermal circuit-breaker and relay.
- Transformer primary overcurrent protection, by fuse.

## Other specifications

- Safety : Class I, enhanced safety between mains input and outputs. Complies with EN 61010-1, overvoltage category II, pollution degree 2. Toroidal transformer, class II, complies with EN 61558-2-4.
- EMC : Complies with EN 61326-1, performance criteria B, and EN 55011, ISM Group I, Class B.
- Input voltage : 230V ±10%, 50 / 60 Hz.
- Mains input : EEC socket with 2 poles + earth cable
- Power consumption : 410 VA.
- Dielectric strength : 2300V between input, output and chassis.
- Outputs : safety terminals (VDE 0110 standard and BG certified), and safety inverted earth terminal.
- Presentation : screen-printed polycarbonate front panel, metalcase, epoxy finish.