

powerpoint

- CONSTANT VOLTAGE, CURRENT OR POWER
- AUTOMATIC CROSSOVER
- OVERLOAD PROTECTION
- SHORT CIRCUIT PROTECTION

CONSORT POWER SUPPLIES

All Consort Maxi Series (EV200) Power Supplies except the EV243 have four output terminals to allow four simultaneous runs. Model EV243 Mini power supply has a smaller footprint and three output terminals. While the powerful microprocessor allows complex programming, the Manual mode permits the setting of voltage, current, power and time for a routine electrophoresis run. Parameters can be changed temporarily without interrupting the run.

Programming - up to 9 different programs, each with 9 steps, can be stored in the non-volatile memory for future recall.

Timer - can be set to automatically terminate the run and sound an alarm when the allocated time or volt hours has elapsed.

Automatic cross-over - each model has constant voltage, constant current and constant power capabilities with automatic cross-over while showing which parameter is kept constant.

Automatic recovery after mains failure - after restoration of power, the instrument will automatically continue the run for the remaining time.

Data Transfer - optional data acquisition/control software for PC is available to visualise and examine the stored run details, store and program the methods, add notes to the run, identify the unit, copy or delete programs in the unit's memory.

Safety precautions - the AC line is automatically disconnected from the high voltage transformer when a ground leakage path is detected protecting the user from potential shock. Other safety features include protection against any overload including accidental short circuit of the output and voltage increases smoothly.



CONSORT MINI EV243

This **Consort Mini** power supply covers the ideal voltage range generally used with small electrophoresis units. Small enough to occupy very little bench space, it is portable and has a variety of additional features:-

Manual Set-up - voltage, current and power settings can be adjusted during the run.

Voltage ramp - this allows a linear voltage gradient for any step to be programmed.

Automatic recovery after power failure.

Data-logging, Transfer and Remote control.

Storage of the run progression - stores the run progression details and allows analysis by transfer of data to a PC. The power supply can additionally be controlled by a PC.

Technical Specifications

| | |
|-------------|----------------------------|
| Maxi | |
| TIMER | 0 - 99.99 MINS |
| PROGRAMS | 9 OF 9 SETS EACH |
| OUTPUTS | 4 IN PARALLEL, 4MM SOCKETS |
| RESOLUTION | 1V, 1mA, 1W |
| DIMENSIONS | 31 x 26 x 15cm (W x L x H) |
| WEIGHT | 10kg |

Technical Specifications

| | |
|-------------|----------------------------|
| Mini | |
| TIMER | 0 - 99.99 MINS |
| PROGRAMS | 9 OF 9 SETS EACH |
| OUTPUTS | 3 IN PARALLEL, 4MM SOCKETS |
| RESOLUTION | 1V, 1mA, 1W |
| DIMENSIONS | 14 x 20 x 13cm (W x L x H) |
| WEIGHT | 3kg |

ORDERING INFORMATION

| | | | | | | | | | |
|--------------|----------------------|--------|---------|-----------|--------------|----------------------|--------|--------|-----------|
| EV231 (E831) | Consort Power Supply | 300 V | 1000 mA | 150 watts | EV232 (E832) | Consort Power Supply | 3000 V | 150 mA | 150 watts |
| EV202 (E802) | Consort Power Supply | 300 V | 2000 mA | 300 watts | EV233 (E833) | Consort Power Supply | 3000 V | 300 mA | 300 watts |
| EV265 (E865) | Consort Power Supply | 600 V | 500 mA | 150 watts | EV262 (E862) | Consort Power Supply | 6000 V | 150 mA | 300 watts |
| EV261 (E861) | Consort Power Supply | 600 V | 1000 mA | 300 watts | EV243 | Consort Power Supply | 400 V | 300mA | 50 watts |
| EV215 (E815) | Consort Power Supply | 1200 V | 500 mA | 300 watts | | | | | |

For 110 V AC, please add '-\$' as a suffix to the appropriate product code

* FORMER CODES OF CONSORT SHOWN IN BRACKETS

PRODUCTS SELECTOR

| | MP-100EP | MP-150EP | MP-250 | MP-300 | EV243 | EV231 | EV265 | MP-500P | MP-2AP | EV202 | EV261 | EV215 | MP-2000P | EV232 | EV233 | EV262 |
|--------------------------------------|----------------------|----------------------|-----------------------|-----------------------|----------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | 100V 400mA 40W | 150V 400mA 60W | 250V 400mA 100W | 300V 400mA 100W | 400V 300mA 50W | 300V 1000mA 150W | 600V 500mA 150W | 500V 400mA 200W | 200V 200mA 200W | 300V 2000mA 300W | 600V 1000mA 300W | 1200V 500mA 300W | 2000V 300mA 200W | 3000V 150mA 150W | 3000V 300mA 300W | 6000V 150mA 300W |
| multiSUB Horizontal, all models | ✓ | ✓ | ✓ | ✓ | ✓ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| COMET Assay | | | ✓ | ✓ | ✓ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Cellulose Acetate System | | | ✓ | ✓ | ✓ | | | | | | | | | | | |
| omniPAGE Mini, Mini Wide | | | ✓ | ✓ | ✓ | ● | ✓ | ✓ | ● | ● | ● | ● | ● | ● | ● | ● |
| omniPAGE Maxi | | | | | | | ● | ● | | | ✓ | ✓ | ✓ | | | |
| Tube Gel IEF, Mini, Mini Wide & Maxi | | | | | | | | | | | ● | ✓ | ✓ | | | |
| Flatbed IEF | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Second Stage 2-D | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ |
| Electroblotting, Mini, Mini Wide | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | | | | |
| Electroblotting, Maxi | | | | | | | | | ✓ | ✓ | ● | | | | | |
| Semi-Dry Blotting, Mini | | | ✓ | ✓ | | ● | | ✓ | ✓ | ✓ | ✓ | | | | | |
| Semi-Dry Blotting, Maxi | | | | | | | | ✓ | ✓ | ✓ | ✓ | | | | | |
| Large Format, 20 and 33 wide | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ |

✓ Recommended

● Can be used but not ideally matched