

Consort electrophoresis power supplies

EV2xx series 300-6000 V



- **Manual programming**
The manual mode permits to set voltage, current, power and time for a routine electrophoresis run. Parameters can be changed temporarily without interrupting the run.
- **Method programming**
Up to 9 different programs, each with 9 steps, of frequently used parameters can be stored in the non-volatile memory for future recall. Reads voltage in 1 V steps, current in 1 mA steps and power in 1 W steps. Each step is able to recall a next one, providing a flexible multiple step function for special techniques. Parameters of the running step can be changed temporarily without interrupting the run.
- **Voltage ramp**
The method mode also permits to program a linear voltage gradient for any step provided the limiting current or power is not attained.
- **Timer**
Timer or volt-hour controlled operation is a useful standard feature on all models. The microcomputer will automatically terminate the run when the count down of the selected value is achieved.
- **Automatic cross-over**
Each model has constant voltage, constant current, constant power capabilities with automatic cross-over and shows which parameter is kept constant.
- **Automatic recovery after power failure**
In case of a mains drop out the instrument will automatically continue the run for the remaining time.
- **Data-logging**
Stores periodically up to 3600 output values (voltage, current and power, time or volthours) including program number and step.
- **Data Transfer**
A powerful data acquisition/control software for PC is available optionally. It permits 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.
- **Remote control**
All power supplies can be controlled by a computer using special commands.
- **Safety precautions**
The user is protected from potential shock hazard since the AC line is automatically disconnected from the high voltage transformer when a ground leakage path is detected. The instrument is fully protected against any overload condition including accidental short circuit of the output. The high voltage cannot suddenly appear at the outputs. It will always increase smoothly up to one of the pre-set limits is reached. Galvanic RS232 input/output insulation prevents dangerous ground loop interferences when connected to a computer.

EV243 voltage: 0...400 V, current: 0...300 mA, power: 0...50 W

EV231 voltage: 0...300 V, current: 0...1000 mA, power: 0...150 W

EV265 voltage: 0...600 V, current: 0...500 mA, power: 0...150 W

Ev202 voltage: 0...300 V, current: 0...2000 mA, power: 0...300 W

Ev261 voltage: 0...600 V, current: 0...1000 mA, power: 0...300 W

Ev215 voltage: 0...1200 V, current: 0...500 mA, power: 0...300 W

Ev232 voltage: 0...3000 V, current: 0...150 mA, power: 0...150 W

Ev233 voltage: 0...3000 V, current: 0...300 mA, power: 0...300 W

Ev262 voltage: 0...6000 V, current: 0...150 mA, power: 0...300 W

