

EPS 1000 Power Supply

Data File

Designed for Electrophoresis Needs

The EPS 1000 power supply is an outstanding choice for a wide range of polyacrylamide gel electrophoresis applications—mini and standard vertical slab gels or ultrathin flatbed gels for Multiphor II or GenePhor. It can be operated in constant voltage, current, or power modes with automatic crossover. Parameter increment resolution of 1 mA or 1 V provides precise settings for reproducible results. With a current rating of 400 mA, it is also suitable for some blotting applications.

Simple Operation

The operating parameters are easy to program through the membrane key pad. Voltage, current, power and elapsed time are simultaneously displayed on the easy-to-read LCD and an “end of run” alarm can be set on or off. Multiple units can be stacked to save bench space.

Safety Certified

EPS 1000 is designed to meet the requirements of the Low Voltage Directive (LVD) 73/23/EEC and the EMC Directive 89/336/EEC. For your safety, we recommend using high voltage leads with 2 mm connectors with fixed insulating sheaths.

Ordering Information

EPS 1000 Power Supply 18-1123-96



EPS 1000 Power Supply

- ◆ 5-1000 V, 1-400 mA, 1-100 W
- ◆ Constant voltage, current, or power mode, automatic crossover
- ◆ Timed, continuous, or volt-hour runs, with or without alarm
- ◆ Single unit increment resolution
- ◆ Stores and recalls up to 3 programs of power and time
- ◆ Certified to international safety standards

Applications Guide

Application	Amersham Biosciences Electrophoresis Unit	Suitability
Ultra-thin Flatbed PAGE	M ultiphor II	■
Ultra-thin Flatbed PAGE	GenePhor	■
Ultra-thin Plate IEF	M ultiphor II	□
Standard SDS-PAGE	SE 400/SE 600 Series	■
M ini SDS-PAGE	SE 200 Series	■
High Volume SDS-PAGE	IsoDAL T (10 gels)	□
Western Blotting (M ini-Tank)	TE 22	■
Western Blotting (Standard Tank)	TE 42/TE 62 Series	□
Western Blotting (Semidry)	TE 70 Series	■
Western Blotting (Semidry)	N ovaBlot	■

(■ = recommended, □ = can be used, voltage or current may be limiting in some cases.)

Specifications

Output range

Voltage 5-1000 V in 1 V steps
 Current 1-400 mA in 1 mA steps
 Power 1-100 W in 1 W steps

Timer

1 minute - 99:59 minutes in 1 minute steps or continuous
 1 hour - 500 hours in 1 hour steps or continuous
 1-9999 Vh, in 1 Vh steps
 10 - 99.9 kVh, in 100 Vh steps
 100 - 500 kVh, in 1kVh steps

Type of output

Constant voltage, current, or power with automatic crossover

Safety certifications

CE 89/336/EEC (EMC Directive)
 CE 73/23/EEC (LVD Directive)
 EN61010-1 (IEC1010-1, UL3101-1, CSA22.2 1010-1)

Safety features

Open circuit detection
 Overload detection
 Auto resume after power failure (< 8 s)

Output connector type

2 mm color-coded output connectors, recessed

User interface

LCD display
 Membrane keypad

Power requirement

Mains requirements 100-120 V/220-240 V; 50/60 Hz
 Power consumption 140 W maximum

Operating environment

Temperature 4-40°C
 Relative humidity 0-95% noncondensing

Dimensions

(h x w x d) 9.5 x 25 x 38.5 cm

Weight

4.7 kg