



LabSmith

TOOLS FOR SCIENCE

LabSmith uEP300-12 Power Supply



- **12 fully programmable, precision high-voltage channels**
- **Coordinated multi-channel control**
- **Constant voltage, current, or power (automatic crossover)**
- **Easily interfaces with uProcess™ sensors for constant pressure or temperature modes**

12-channel High-Voltage Supply for Electrophoresis and Gel Electrophoresis

The uEP300-12 is a twelve-channel, fully programmable power supply for electrophoresis and gel electrophoresis setups. Each channel can provide constant voltage to 300 V, constant current to 0.25 A, or constant power to 15 W (max 180 W all channels).

The uEP300-12 is part of LabSmith's uProcess™ platform, which includes hardware devices and uProcess software for constructing, coordinating and automating microfluidic systems. The uProcess software (included with the uEP300-12) lets you control and integrate the instrument into complete systems. You can also use the uEP300-12 in conjunction with uProcess pressure sensors and temperature sensors for constant pressure or temperature modes.

High-voltage interface cables, microclips and electrodes are sold separately.

The uEP300-12 is also available uncased for OEM applications. Contact LabSmith for details.

Specifications

Specifications	Maximum	Minimum Step Size
Channels	12 individually-controllable channels	
Output Voltage	300 V/ channel	10 mV
Output Current	0.25 A/channel	10 uA
Output Power	15 W/channel (180W max all channels)	10 mW
Output Terminals	Tip jacks with dynamic polarity switching and floating (1 pair per channel)	
Type of Output	Constant voltage, constant current, or constant power with automated crossover; constant temperature or pressure modes available with uProcess pressure (uPS) or temperature (uTS) sensors	
Programmable Methods	Fully programmable with unlimited steps	
Timer Control	Fully adjustable in 1 ms intervals	
Software Interface	Complete experimental control via uProcess™ software (included)	
Housing Material	Anti-RFI steel enclosure	
Dimensions	35.6 cm x 10.2 cm x 9 cm (14 in x 4.0 in x 3.5 in); 2.3 kg (5 lb)	
Computer Connection	USB	

Accessories

Cables	EHVC12 cables. Set of 12 black and 12 red cables, each 60" (150 cm) long, with friction fit terminals. Sold separately.
Micro-clips	A-MC2-01 Micro-clips for grabbing electrodes. Sold separately.

Need just one or two channels? The uEP01-300 is a modular version of a uEP300-12 channel. The uEP01 is available as part of LabSmith's uProcess product line and is also available in OEM configurations. Visit labsmith.com to learn more.



LabSmith | info@labsmith.com | www.labsmith.com

5981 Graham Court | Livermore, CA 94550 | (925) 292-5161

