

PROGRAMMABLE

PS 9009 TX

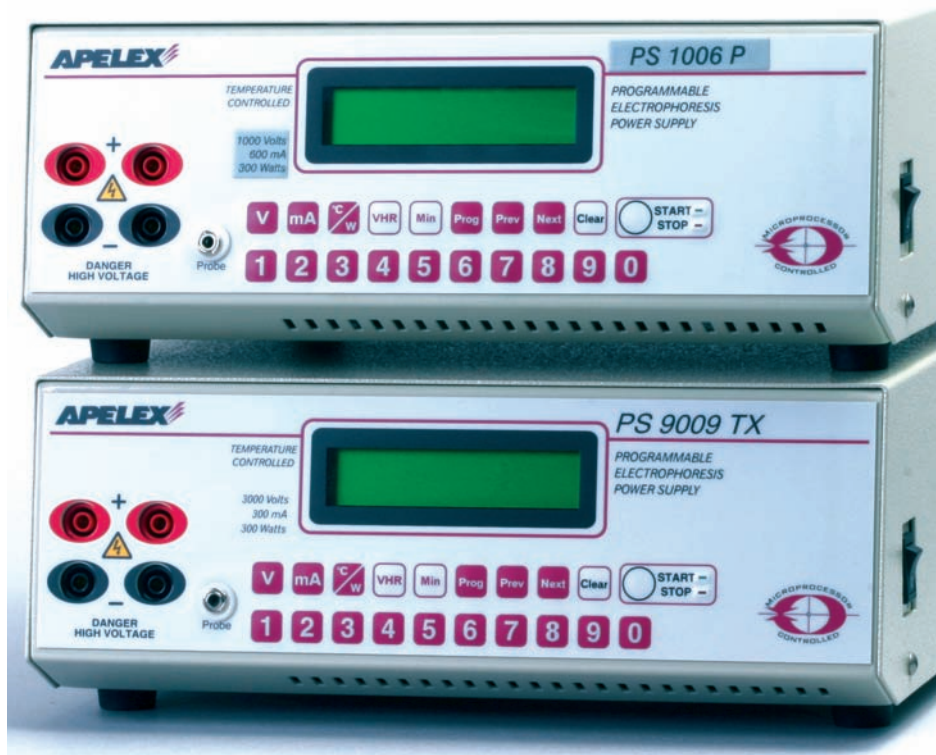
Cat. No. 119030

3000 Volts • 300 mA
300 Watts

PS 1006 P

Cat. No. 119050

1000 Volts • 600 mA
300 Watts



Cat. No. 119060 Optional interface board provided with a specific software for connection on PC. Settings and running conditions are monitored and displayed on both power supply and PC.

FEATURES

Memory capable of storing:

- 16 "one step" programs with automatic cut off.
- 8 sequenced programs with up to 10 steps which automatically follow preset values for each step.
- 1 specific program for low current <math>< 15 \mu\text{A}</math> (IEF).

LCD display with 2 lines of 20 characters.
Twenty switch keyboard for monitoring each function.

Four operating modes: Constant voltage, constant current, constant power or temperature limitation.

It is possible to perform electrophoresis with a constant parameter whilst limiting the others to selected values, including temperature.

Automatic crossover from one mode to another when output limits are reached. Flashing display indicates the constant mode.

Automatic RESTART in case of power failure during a cycle. When the power returns, an audible safety alarm rings for 10 seconds then, the START mode turns on automatically at the preset values.

Recommended for over night electrophoresis and sequencing.

Automatic storage of the preset and elapsed values (minutes and V/Hr) in case of power failure or voluntary interruption during the cycle.

This microprocessor controlled power supply is equipped with a circuit breaker which automatically cuts the electrical supply in case of ground leakage detection, (500 μA) short circuit, open circuit or overload. Specific messages are displayed.

POWER SUPPLIES

TEMPERATURE CONTROL

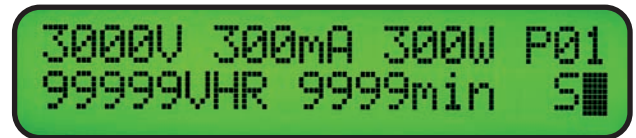
The power supplies are designed for automatic temperature regulation as well as that for Voltage, Current and Power.

The optional temperature probe maintains constant temperature during electrophoresis by reducing or stopping the voltage and current output when the set temperature is surpassed. Once the temperature drops below the set point, both voltage and current output is resumed at the set levels. The use of the temperature regulation mode prevents the activation of the power (Watt) regulation mode.

The display (Min R) is a dedicated timer for increments of minutes while the power supply is monitored by the temperature function. This timer increments minutes only when voltage and current are turned off during the temperature regulation mode.

The main timer (Min T) remains operational at all times during the operation of the power supply and provides the automatic termination of the voltage and current output.

After the electrophoresis has automatically stopped, it may be necessary to continue electrophoresis for the time that the voltage was discontinued.



Display 1:

- Volt-mA-Watt.
- Integrator-Timer for automatic cut off.



Display 2:

- Volt-mA-Temperature limit.
- Dedicated timer indicating in minutes the duration of the temperature control timing.
- Timer for automatic cut off.



Cat. No. 119020

Optional probe for temperature control.

SPECIFICATIONS

	PS 9009 TX	PS 1006 P
Output voltage range / Resolution	10 ... 3000 Volt / 10 Volt steps	10 ... 1000 Volt / 10 volts steps
Output current range / Resolution	15 µA ... 300 mA / 1 mA steps	15 µA ... 600 mA / 1 mA steps
Output current range with Prog. #28	0 mA ... 300 mA	-
Output power range / Resolution	0.3 ... 300 watts / 1 watt steps	0.3 ... 300 watts / 1 watt steps
Temperature range / Resolution	0 ... 99°C in 1°C steps	0 ... 99°C / 1°C steps
Integrator range / Resolution	1 ... 99999 Volt-Hr / 1 Volt-Hr steps	1 ... 99999 Volt-Hr / 1 Volt-Hr steps
Timer range / Resolution	1 ... 9999 minutes / 1 minute steps	1 ... 9999 minutes / 1 minute steps
Minimum regulated value	10 Volt - 1 mA - 1 watt	10 Volt - 1 mA - 1 watt
Value display range / Resolution	0 ... 3000 Volt / 10 Volt 0 ... 300 mA / 1 mA 0 ... 300 watts / 1 watt 0 ... 99°C / 1°C 0 ... 99999 Volt-Hr / 1 Volt-Hr steps 0 ... 9999 minutes / 1 mn steps	0 ... 1000 Volt / 10 Volt 0 ... 600 mA / 1 mA 0 ... 300 watts / 1 watt 0 ... 99°C / 1°C 0 ... 99999 Volt-Hr / 1 Volt-Hr steps 0 ... 9999 minutes / 1 mn steps
Minimum non regulated value	10 Volt - 15 µA - 0.3 W	10 Volt - 15 µA - 0.3 W
Minimum output with program #28	10 Volt - 0 mA - 0 W	10 Volt - 0 mA - 0 W
Fault detection	stop, audible alarm and displayed messages	stop, audible alarm and displayed messages
Dimensions (w x d x h)	27 x 34 x 11 cm	27 x 34 x 11 cm
Weight	4 kg	4 kg