



Pulse Plating Power Supply (DG-PSE-PPPS), is a high-performance power supply which can be used as a programmable waveform generator. It is ideally suited for general electrochemical measurements.

The unit is microcontroller based and fully programmable. The parameters can also be programmed through PC using suitable software.

The output voltage & current, on/off time may be programmed on a wide range through the keyboard. The test duration may be programmed from 1 second to 30000 seconds. Total time of operation is also programmable.

In pulse plating, DC power supplies a series of short pulses to the plating bath, rather than continuous current. Simply put, interrupted DC current is used to electroplate a substrate. These pulse cycles can be regulated at predetermined rates of up to 500 Hz.

The output power transistors circuit is over-temperature protected. In case heat sink temperature of power transistors raises above 80 °C the unit goes into shutdown mode.

Pulse plating has been used in applications plating gold, silver, platinum, palladium, rhodium, nickel, copper, chromium, nickel/iron and many others. Some advantages have also been found in pulse plating of gold/tin, tin and tin/lead. In recent years, pulsed electro polishing has also been used in the medical industry.

SPECIFICATIONS

Product Code	DG-PSE-PPPS
Equipment Category	Power Supply Equipment
Output Voltage/Current	1 to 20V/5A and 1 to - 12V/2A
Test Duration	Maximum 60000 Seconds
Operating mode	CC/CV
Key Board	In-built RS-232 interface
Display	4 digit LED display
Real Time	In-built real time clock
Operating Temp Range	0 to 50 °C
Operating Humidity Range	0 to 90% non-condensing
Power	230V AC mains
Weight	15 Kg
Dimension	450 x 300 x 300 mm (For reference only)
Applications	For electrochemical research application & Medical Industry

Ordering Information

Item:

Pulse Plating Power Supply

Category:

Power Supply Equipment

Unique Code:

DG-PSE-PPPS

Accessories:

- Power Cord
- Operating Manual

Customization:

Any customisation request to be made at the time of placing the order

Order Placement:

- Via the Website
- Via E-mail
- Via Phone

A K Goel

Managing Director

Digitech Roorkee

info@digirke.com

9897239204

Web: www.digirke.com