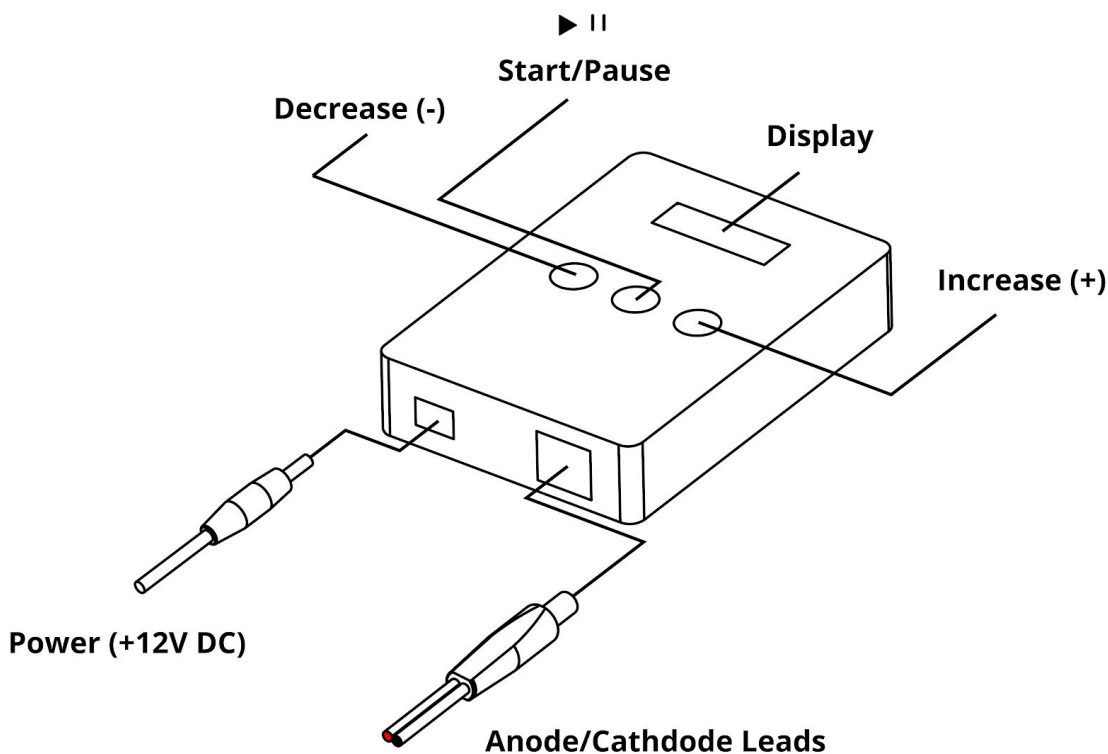


Cu MiniForm

1 Amp Power Supply



MiniForm Power Supply (rectifier) Specifications:
Input (3.5mm barrel type): 12VDC, 1.0A
Output (5mm barrel type): 1-12VDC,
Adjustable Constant Current 0.1-1.0A (0.01A increments)

AC Wall Adapter Specifications:
Input (US; Type A): 120VAC/60Hz (Typical)
Output (3.5mm barrel type): 12V DC; 1.0A

Set Up

Connect the red lead wire clip to the anode, and black to the cathode.

Use the (+) and (-) buttons to adjust the output current.

Hold down the (▶ ||) button to power on and off.

Features

Auto Regulated Voltage

With the Cu MiniForm, the only setting needed is the current; the voltage will adjust automatically .

MilliRamp

The Cu MiniForm offers a unique feature called the milliRamp, which improves the deposit of the initial layer of copper. The MiniForm will gradually increase the current over a short period until the set current level is reached. This will prevent over-plating of the suspension wire and initial copper layer while the early stages of plating are equalizing the

surface resistance of the object.

If the AC wall adapter unit remains in place, powering down/on will save your last used amperage current, however the setting will behave as a new project, and the milliRamp feature will take effect.

To start a new project and reset the milliRamp feature, either leave the Cu MiniForm on pause mode for 5+ minutes, power on/off using the center start (▶ ||) button, or plug and replug the unit from the wall outlet.

Advanced "Super User" Mode

To activate the advanced, or "Super User" mode, hold down the (-) and (+) buttons at the same time.

This mode displays the voltage and current readouts, circuit resistance (ohms), and if the circuit is open or closed.

The voltage readout is real-time and will fluctuate rapidly. This is normal, as voltage will self regulate based on the current settings and the bath's resistance.

Use the (-) and (+) buttons to adjust the current as normal.

To exit this mode, hold down the (-) and (+) buttons at the same time once more.

Troubleshooting

Connection Error Message

The Cu MiniForm will display the error message "Reposition the Clips/Connection is Broken " when an open connection is detected in the circuit. This error message is commonly caused by a superficial connection between a conductive busbar and the suspension wire, or if corrosion is present. Check that the lead wire clips are securely connected to the anode and cathode wires, and that the anode and cathodes are not touching. Scrub clean any corrosion present.

To maintain a good connection, keep the Cu MiniForm unit's surface, lead wire clips, anode, and especially the conductive bus bar and suspension wire free from corrosion, which can be caused by splashes, droplets, or prolonged proximity to the electroforming solution.

Only use bare copper for the cathode/suspension wire and anode. Do not use products that have a coating or anti-tarnishing film over the wire. This will block the current from flowing through the circuit and cause the error message to display. Many craft wires from hobby stores will have this coating.

For troubleshooting on electroforming, consult the tutorial manual.

The Cu MiniForm was proudly designed and created in house,
and everything but the discrete electronic components were manufactured and assembled in the USA
Special thanks to Mike Smith of MicroDean Systems

See the electroforming manual for full instructions on how to electroform using the Cu MiniForm:

Enchantedleaves.com/Electroforming-Tutorial
