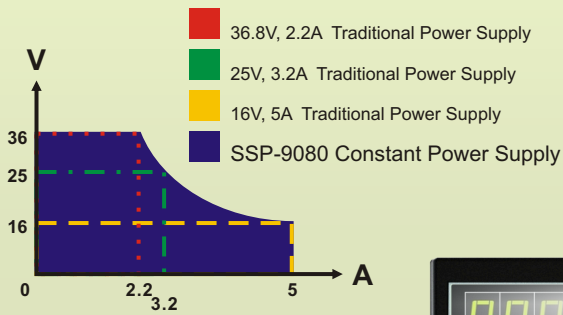


# SPECIAL PURPOSE POWER SUPPLY

SSP - 9080

80W Constant Power Lab. Grade Power Supply

Manson®



## Description

This small 80W constant Power Laboratory power supply has 0.5V-36V and 0-5A output range.

With the Master & Slave function, the output current can be increased to over 60A. When Master unit is the advanced and expensive model SSP-9081, all the advanced features like remote programming, ramp generator and etc will be fully utilized with SSP-9080 as slave units.

The settings of functions such as Upper Voltage Limit, Upper Current Limit, Power up output status, 3 presets and etc are intuitive and easy to get used to. Fast & fine tuning of voltage and current, using the shifting integer makes setting of voltage and current ever so fast, accurate and easy.

## Features

- 80W Constant Power Topology with 0.5 - 36V and 0- 5A auto range output.
- 4 digit display of voltage and current with 10 mV & 10 mA resolution.
- Rotary encoder tuning with digit shift fast & fine tuning.
- Upper voltage and current limits setting to protect test piece.
- Quick setting for the 3 presets of voltage and current.
- Output On/ Off switch and Power Up Output On or Off status setting.
- Panel lock button to lock up all panel control knobs and buttons.
- Remote Voltage Sensing move the terminal voltage to the load end.
- Easy to program and set up of Master & Slave for up to 30 units in parallel.
- Over Temperature, Over Current, Over Voltage and Short Circuit Protection.
- Universal Input 100-264Vac, 50-60Hz.

## Specifications

<b>Models</b>	<b>SSP - 9080</b>
<b>Input Voltage Range</b>	100 - 240VAC
<b>No Load Input Current at 230VAC</b>	≤0.13A
<b>Full Load Input Current at 230VAC</b>	≤0.5A
<b>AC Input Frequency</b>	50 - 60Hz~
<b>Efficiency</b>	≥78%
<b>Power Factor</b>	≥0.9
<b>Constant Voltage &amp; Current Range Selection</b>	
<b>0.5-36V / 0-5A</b>	Auto range with maximum output power 80W ( $V \times A \leq 80$ )
<b>Constant Voltage Characteristics:</b>	
<b>Adjust Resolution</b>	10mV
<b>Load Regulation (0 - 100%)</b>	≤30mV
<b>Line Regulation (±10%)</b>	≤4mV
<b>Ripple &amp; Noise (peak-peak)</b>	≤35mV
<b>Constant Current Characteristics:</b>	
<b>Adjust Resolution</b>	10mA
<b>Load Regulation (0 - 100%)</b>	≤10mA
<b>Line Regulation (±10%)</b>	≤10mA
<b>Meter Accuracy</b>	
<b>Volt. Meter Accuracy</b>	±(0.5% +5counts)
<b>Curr. Meter Accuracy</b>	±(0.5% +5counts)
<b>User Adjustable Upper Current &amp; Voltage Limit</b>	Yes
<b>Number of Preset Recalls of Frequent Use V &amp; I Setting</b>	3
<b>Protection</b>	Over voltage protection, Current limiting protection, Short circuit, Overload, Over temperature
<b>Additional Function</b>	Remote Sensing, Master/ Slave control
<b>Approvals</b>	CE EMC: EN 55011 LVD: EN 61010
<b>Cooling Method</b>	Natural Convection
<b>Dimensions (WxHxD)</b>	53.5 x 127 x 330mm 2 x 5 x 13 inch
<b>Weight</b>	1.9kg 4.2lb

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE