



Description

This small 80W auto ranger laboratory power supply has 0.5V to 36V and 0 to 5A output range.

The settings of functions such as upper voltage limit, upper current limit, and power up output status, 3 presets are intuitive and easy to get used to fast and fine tuning of voltage and current, using the shifting integer makes setting of voltage and current ever so fast, accurate and easy.

Features

- Auto range selection with maximum 80W output
- Resolution with 10mV and 10mA with 4 digit display
- Upper Voltage and Current level setting for the protection of DUT
- 3 User presets of frequently used Voltage and Current outputs
- Output on-off switch and control panel lock button for safer operation
- Master/Slave configuration for synchronization of the parallel connected output of multiple units.
- Over Temperature, Over Current, Over Voltage and Short Circuit Protection
- Voltage remote sensing

Specifications

Output Voltage and Current	
Output Voltage	0.5V DC to 36V DC
Output Current	0 to 5A (Auto range with maximum output power 80W ($V \times A \leq 80W$))
Constant Voltage Characteristics:	
Adjust Resolution	10mV
Load Regulation (10 – 90%)	$\leq 30mV$
Line Regulation ($\pm 10\%$)	$\leq 4mV$
Ripple & Noise (peak-peak)	$\leq 35mA$
Constant Current Characteristics:	
Adjust Resolution	10mA
Load Regulation (10 – 90%)	$\leq 10mA$
Line Regulation ($\pm 10\%$)	$\leq 10mA$
Meter Accuracy	
Voltage Meter Accuracy	$\pm(0.5\% + 5counts)$

Current Meter Accuracy	±(0.5% +5 counts)
User adjustable upper voltage & current limit	Yes
Number of frequently used V & I presets	3
Remote Sensing	Yes
Protection	Tracking Over Voltage Protection, Current Limiting Protection, Short Circuit, Overload, Over Temperature, Upper Voltage Limit, Upper Current Limit.
Additional Function	Master/Slave Control
Cooling Method	Natural Convection
No Load Input Current at 230V AC	≤150mA
Full Load Input Current at 230V AC	≤500mA
Input Voltage Range	100V AC to 240V AC, 50Hz / 60Hz
Efficiency	≥78%
Power Factor	≥0.9
Dimensions (W×H×D)	53.5mm × 127mm × 330mm / 2" × 5" × 13"
Weight	Approx. 1.9kgs / 4.2lbs

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

Accessories

AC Power Cord (UK / EU) or US

Standard Warranty

12 Months

Part Number Table

Description	Part Number
Power Supply, 500mV DC to 36V DC, 5A, UK / EU	MP710082
Power Supply, 500mV DC to 36V DC, 5A, US	MP710082 US

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