Bench Top Remote Programmable Switch Mode Power Supply

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Description

Remote Programmable Auto Ranger SMPS with DC waveforms & Optional Ethernet Card. This multi-function constant power laboratory grade power supply is capable of generating various DC waveforms.

The application software of the cyclic program, command sets, and LabVIEW Drivers are provided.

Features

- Auto range selection with maximum 80W output
- Resolution with 10mV & 10mA with 4 digit display
- Remote programmable through USB or optional LAN card
- On housing 10 Steps list program with cycle periods running
- 3 users defined V & I panel presets for frequent use
- Master/Slave configuration for synchronization of the parallel connected output of multiple units

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 × A ≤80W)
Constant Voltage Characteristics:	
Adjust Resolution	10mV (start from 0.5V)
Load Regulation (10 – 90%)	≤30mV
Line Regulation (±10%)	≤4mV
Ripple & Noise (peak-peak)	≤35mA
Constant Current Characteristics:	
Adjust Resolution	1mA (start from 30mA)
Load Regulation (10 – 90%)	≤10mA
Line Regulation (±10%)	≤10mA
Voltmeter & Ammeter Accuracy	±(0.5% +5 counts)
User-adjustable upper current & voltage limit	Yes

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Number of preset recalls of frequent use V&I setting	3
Remote Sensing	Yes
Ramp Step Irregular Waveform functions	
Number of Voltage Level Setting	10
Settable Output Time Period of each Voltage Level	0 to 1200 seconds
Remote Programmable / Control by PC	Output ON/OFF, Voltage & Current Control, Selection of Voltage and Current Preset, Programmable of cyclic output and data logging of output, Upper Voltage & Current Limit Control.
Protection	Tracking Over Voltage Protection, Current Limiting Protection, Short Circuit, Overload, Over Temperature, Upper Voltage Limit, Upper Current Limit.
Standard Communication Port	USB 2.0
Optional Interface	Ethernet, Factory, or User install
Additional Function	Master/Slave Control
Cooling Method	Natural Convection
Dimensions (W×H×D)	53.5mm × 127mm × 330mm / 2″ × 5″ × 13″
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
Weight	Approx. 1.9kgs / 4.2lbs

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

Accessories

AC Power Cord (UK / EU), Test Lead set, USB Cable, Master/ Slave Connection Cable,
Terminator for Master/ Slave Connection, CDROM, and Quick Start Guide

Standard Warranty

12 Months

Part Number Table

Description	Part Number
Programmable Switch Mode Power Supply, 5mV DC to 36V DC, 5A	MP710083

Note:
AEN-8102 Ethernet Card is not included as a standard Accessory

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

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