

Bench Top Remote Programmable Switching Mode Power Supply

multicomp PRO



MP710079

MP710080

MP710081

Description

This series of 100W Switching Mode Power Supplies with Current Limiting Control is designed with the objectives of high accuracy, compactness and easy portability. Rotary encoder tuning with MCU are used for voltage and current control. 4 digit display LCD of voltage and current for high precision.

This power supply is ideal for trouble shooting circuit boards or devices which require two or three different input voltages such as 3V or 5V, 12V and 1-36V. This power supply can provide 3 outputs at the same time.

All three outputs are fully isolated so different cross connections of 2 or 3 outputs can provide various fixed or variable output voltages. Any output can be connected for positive or negative polarity.

Features

- Remote Programmable via USB
- 4 Digit Display with 10mV & 10mA resolution
- 3 isolated outputs with 1 x variable, 2 x isolated fixed

Specifications

Part Number	MP710079	MP710080	MP710081
Output Voltage Range	1V DC to 20V DC	1V DC to 36V DC	1V DC to 60V DC
Output Current Range	0.25A to 5A	0.25A to 3A	0.25A to 1.6A
Voltage Regulation			
Load from 10% to 90% Variation	70mV	70mV	70mV
Line from 90 to 264V AC Variation	25mV		
Ripple & Noise (peak to peak)	≤120mV	≤150mV	≤180mV

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Part Number	MP710079	MP710080	MP710081
Current Regulation			
Load from 10% to 90% Variation	50mA		
Line from 90 to 264V AC Variation	20mA		
Ripple & Noise (peak to peak)	≤50mA		
Switching Operation Frequency	50kHz to 150kHz		
Aux output 1	Fixed 3.3 /5V DC. 1.8A cont. 2A Max.		
Aux output 2	Fixed 12V DC, 800mA cont. 1A Max.		
Power Factor	>0.9		
Efficiency at Maximum Power	≥80.5%		
Volt and Amp Control Type	Rotary Encoder		
Voltmeter and Ammeter Display	4 Digit LCD		
Voltmeter Accuracy	5 counts for range V<5V ±0.2% +5 counts for range V≥5V		
Ammeter Accuracy	15 counts for range I≤1A ±0.5% +6 counts for range I>1A		
LCD Indication	CC, CV, Amp, Volt, Output ON-OFF, Aux output current		
Protection	Short Circuit, Overload, Over Temperature, Tracking OVP		
CE Approvals	LVD: EN 61010, EMC: EN 55011		
Cooling System	Natural Convection		
Dimensions (WxHxD)	70mm × 150mm × 250mm / 2.8" × 6" × 9.8"		
Input Voltage (Universal input)	100V AC to 240V AC, 50Hz / 60Hz		
Full Load Input Current at 230V AC	0.83A		
Weight	2 kgs		

Accessories

AC Power Cord (UK / EU), Test Lead set, USB cable, User Manual

Standard Warranty

12 Months

Part Number Table

Description	Part Number
Programmable Switching Mode Power Supply, 1V DC to 20V DC, 5A	MP710079
Programmable Switching Mode Power Supply, 1V DC to 36V DC, 3A	MP710080
Programmable Switching Mode Power Supply, 1V DC to 60V DC, 1.6A	MP710081

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