

Single Channel Linear Bench Top DC Power Supply

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Application

Military R&D, Quality Inspection, Circuit Functional Testing, Automotive Circuit Testing, Education and Technical Training
Electronic component testing and aging analysis, Monitoring battery charging curve.

Specifications

Characteristic	Part Number	
	MP710086	MP710087
Channel	Single Channel Output	
Total Output Power	150W	180W
Channel Output	0 - 30V / 0 - 5A × 1-CH	0 - 60V / 0 - 3A × 1-CH
Display	3.7 inch colour LCD display	
Dimension	117mm(L) × 194mm(H) × 295mm(D)	
Weight	Approx. 5.6 kg	Approx. 5.8 kg
Interface	RS232 and USB	
Supply Voltage	220V AC ±10%	

Characteristic		MP710086	MP710087
Rated Output (0°C to -40°C)	Voltage	0 to 30V	0 to 60V
	Current	5A	3A
Load Regulation	Voltage	≤0.01% +3mV	
	Current	≤0.01% +3mA	
Power Regulation	Voltage	≤0.01% +3mV	
	Current	≤0.01% +3mA	
Setting Resolution	Voltage	1mV	
	Current	1mA	

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Characteristic		MP710086	MP710087
Read Back Resolution	Voltage	1mV	
	Current	1mA	
Set Point Accuracy (within 12 months) (25°C ±5°C)	Voltage	≤0.03% +10mV	
	Current	≤0.1% +5mA	
Read Back Resolution (25°C ±5°C)	Voltage	≤0.03% +10mV	
	Current	≤0.1% +5mA	
Ripple/Noise (20Hz - 20MHz)	Voltage (Vp-p)	≤4mVp-p	
	Voltage (rms)	≤1mVrms	
	Current (rms)	≤4mA _{rms}	
Output Temperature Coefficient (0°C to +40°C)	Voltage	≤0.03% +10mV	
	Current	≤0.1% +5mA	
Read Back Temperature Coefficient	Voltage	≤0.03% +10mV	
	Current	≤0.1% +5mA	
Response Time		100μs	
Storage		5 groups of data	
Working Temperature		0 - 40°C	

Note: The instrument must be operated continuously for more than 30 minutes at the specified temperature to ensure the following parameters.

Accessories included : UK/EU Power Cord, Fuse, RS232 Cable, USB Cable and User Manual
Standard Warranty : 12 Months

Part Number Table

Description	Part Number
Bench Top Power Supply, 150W, 30V DC, 5A	MP710086
Bench Top Power Supply, 180W, 60V DC, 3A	MP710087

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