

# 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 <sub>rms</sub>	
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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