

Single Channel DC Bench Top Power Supply **multicomp**PRO

RoHS
Compliant



Features

- DC power supply+multimeter
- Small body for easy carry
- USB communication interface, support SCPI

Power Supply Specifications:

- 150W and 300W Output Power
- High resolution: 10mV / 1mA
- List waveform editing output, editable 10 groups of timing output function
- Over voltage / over current protection
- Output voltage and current curve monitoring function

Multimeter Specifications:

- 4 1/2 digits multimeter
- Support Voltage, current, Capacitance, Resistance, Continuity, and Diode test

Power supply parameter

Specifications	MP711132	MP711133	MP711134	MP711135
Input Characteristics				
Supply Voltage	220Vac±15%, please supply power according to the mark on the left of the power input socket on the rear panel of the instrument			
Input Frequency	45~65Hz	45~65Hz	45~65Hz	45~65Hz
Input Parameter (220Vac±15%)				
Input Voltage Range	187~253Vac	187~253Vac	187~253Vac	187~253Vac
Full Load Input Current	≤1.4A	≤2.8A	≤2.8A	≤2.8A
No-Load Input Current	≤100mA	≤150mA	≤150mA	≤150mA
Input Fuse	250V,F3A	250V,F5A	250V,F5A	250V,F5A
Rated Output				
Rated Output	0~30V	0~60V	0~30V	0~60V
Voltage	0~5A	0~5A	0~10A	0~10A
Current	150W	300W	300W	300W

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Specifications	MP711132	MP711133	MP711134	MP711135
Efficiency (220Vac, rated load)	85%	85%	85%	85%
Regulation (CV)				
Load	≤30mV	≤30mV	≤30mV	≤30mV
Line	≤20mV	≤20mV	≤20mV	≤20mV
Regulation (CA)				
Load	≤30mA	≤30mA	≤30mA	≤30mA
Line	≤20mA	≤20mA	≤20mA	≤20mA
Ripple & Noise (Noise bandwidth 20MHz, ripple bandwidth 1MHz, connect 10uF electrolytic capacitor in parallel with 0.1uF ceramic capacitor to the output terminal for testing)				
Voltage (Vp-p)	≤30mV	≤30mV	≤30mV	≤50mV
Voltage (rms)	≤3mV	≤3mV	≤3mV	≤5mV
Current (Ap-p)	≤30mA	≤30mA	≤30mA	≤30mA
Setting Resolution				
Voltage	10mV	10mV	10mV	10mV
Current	1mA	1mA	1mA	1mA
Readback Resolution				
Voltage	10mV	10mV	10mV	10mV
Current	1mA	1mA	1mA	1mA
Setting Accuracy				
Voltage	≤0.1%±20mV	≤0.1%±20mV	≤0.1%±20mV	≤0.1%±30mV
Current	≤0.1%±10mA	≤0.1%±10mA	≤0.1%±10mA	≤0.1%±10mA
Readback Accuracy				
Voltage	≤0.1%±20mV	≤0.1%±20mV	≤0.1%±20mV	≤0.1%±30mV
Current	≤0.1%±10mA	≤0.1%±10mA	≤0.1%±10mA	≤0.1%±10mA
Response time				
Transient recovery time (50%~100% rated load)	≤1ms			
Protective function				
OVP	0~31V	0~61V	0~31V	0~61V
OCP	0~5.1A	0~5.1A	0~10.1A	0~10.1A
OTP	85°C	85°C	85°C	85°C
Temperature coefficient of output				
Voltage	100ppm/°C			
Current	200ppm/°C			
Temperature coefficient of readback value				
Voltage	100ppm/°C			
Current	200ppm/°C			

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DMM parameters

Characteristics	Instruction	
Display	19999	
measurement	Voltage, current, resistance, capacitor, diode, on-off	
Input Impedance	≥10 MΩ	
Diodes Test	0~2V	
Function	Measurement Range	Function
DC Voltage	200.00mV	±(0.3%+10dig)
	2.0000V/20.000V/200.00V	±(0.3%+5dig)
	1000.0V	
AC Voltage	200.00mV /2.0000V/20.000V/200.00V	±(0.8%+10dig)
	750V	±(1.0%+10dig)
DC Current	200.00mA	±(0.8%+10dig)
	10.000A	±(2.5%+10dig)
AC Current	200.00mA	±(1.0%+10dig)
	10.000A	±(2.8%+10dig)
Resistance (Ω)	200.00Ω/2.0000kΩ/20.000kΩ/200.00kΩ/2.0000MΩ	±(0.8%+10dig)
	20.000MΩ	±(1.0%+3dig)
	100.00MΩ	±(5.0%+10dig)
Capacitance (F) ^[1]	20.000nF/200.00nF/2.0000uF/20.000uF/200.00uF/2.0000mF	±(3.0%+10dig)
Frequency Response (Hz)	(40 to 1000) Hz	

When measuring AC voltage/current or capacitance, accuracy guarantee range is 5% to 100% of the range.

DMM- Digital Multimeter

Display	
Display Type	2.8inches colour LCD
Resolution	240 × 320 pixels
Color	65536 colour, TFT
Environment	
Temperature	Working Temperature:0°C to 40°C Storage Temperature:-20°C to 60°C
Relative Humidity	≤90%RH; no condensation
Height	2,000 meters
Cooling	Fan cooling, temperature intelligent speed control
Other	
Communication Port	USB communication, compatible with SCPI communication protocol
USB Charging Port	5V/1A charging
Dimension-	82mm (Width) × 142mm (Height) × 226mm (Length)
Weight	Approx. 1.5 kg

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Part Number Table

Description	Part Number
Bench Top Power supply With DMM, 30V, 5A, 150W	MP711132
Bench Top Power supply With DMM, 60V, 5A, 300W	MP711133
Bench Top Power supply With DMM, 30V, 10A, 300W	MP711134
Bench Top Power supply With DMM, 60V, 10A, 300W	MP711135

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