Data Sheet

Triple Output DC Power Supplies

Models 1760A, 1761 & 1762



The 1760A series triple output DC power supplies offer three independent outputs with coarse and fine adjustment knobs for volts. The 4-digit LED display offers 10 mV and 1 mA resolution, providing the capability to set voltage and current values more accurately than 3-digit displays found in most comparable power supplies.

Features:

- Constant voltage (CV) and constant current (CC) operation
- Independent or series tracking/parallel mode operation to double voltage or current
- Coarse and fine voltage controls
- Adjustable current limiting
- Designed to operate continuously at rated output
- Overvoltage protection and reverse polarity protection

Specifications	1760A	1761	1762
Main Output			
Output Voltage	0-30V (A & B) 4-6.5 V (C)	0-35V (A & B) 2-6.5 V (C)	0-60V (A & B) 2-6.5 V (C)
Output Current	0-2A (A & B) 5A (C)	0-3A (A & B) 5A (C)	0-2A (A & B) 5A (C)
Constant Voltage Operation			
Line Regulation (120 VAC ±10%)	≤ 0.01% +3 mV (A&B) ≤10 mV (C)		
Load Regulation	≤0.01% +3 mV (A&B) ≤10 mV (C)		
Recovery Time	100μs		
Ripple	≤1mVrms		
Temperature Coefficient	≤300 ppm°C		
Constant Current Operation			
Adjustable Current Limit	5% to 100% (A&B)		
Line Regulation (120 VAC ±10%)	≤0.2% + 3 mA		
Load Regulation	≤0.2% + 3 mA		
Current Ripple	≤3 mA rms		
Metering			
Display	Two 4-digit LED		
Voltmeter Resolution	10 mV		
Voltmeter Accuracy	± (0.5% rdg + 9 digits)		
Ammeter Resolution	1 mA		
Ammeter Accuracy	± (0.5% rdg + 9 digits)		
General			
Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit		
AC Input	108-132 VAC 60 Hz 120/220/230/240/ VAC, ±10%, 50/60 Hz version available		
Power Consumption	350 W		
Operating Temperature	0° to 40°C ≤ 85% R.H.		
Storage Temperature	-15° to 70°C ≤ 85% R.H.		
Dimensions (W x H x D)	10.5 x 5.7 x 15" (267 x 145 x 381 mm)		
Weight	21 lbs (9.5 kg)		
			Two-Year Warranty
Supplied Accessories	User manual, spare fuse and power cord		

Technical data subject to change
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