

# 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
<b>Main Output</b>			
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)
<b>Constant Voltage Operation</b>			
Line Regulation (120 VAC $\pm$ 10%)	$\leq 0.01\% + 3 \text{ mV (A\&B)}$ $\leq 10 \text{ mV (C)}$		
Load Regulation	$\leq 0.01\% + 3 \text{ mV (A\&B)}$ $\leq 10 \text{ mV (C)}$		
Recovery Time	100 $\mu$ s		
Ripple	$\leq 1 \text{ mVrms}$		
Temperature Coefficient	$\leq 300 \text{ ppm}^\circ\text{C}$		
<b>Constant Current Operation</b>			
Adjustable Current Limit	5% to 100% (A&B)		
Line Regulation (120 VAC $\pm$ 10%)	$\leq 0.2\% + 3 \text{ mA}$		
Load Regulation	$\leq 0.2\% + 3 \text{ mA}$		
Current Ripple	$\leq 3 \text{ mA rms}$		
<b>Metering</b>			
Display	Two 4-digit LED		
Voltmeter Resolution	10 mV		
Voltmeter Accuracy	$\pm (0.5\% \text{ rdg} + 9 \text{ digits})$		
Ammeter Resolution	1 mA		
Ammeter Accuracy	$\pm (0.5\% \text{ rdg} + 9 \text{ digits})$		
<b>General</b>			
Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit		
Power Requirements	108-132 VAC 60 Hz 120/220/230/240/ VAC, $\pm 10\%$ , 50/60 Hz version available		
Power Consumption	350 W		
Operating Temperature	0 $^\circ$ to 40 $^\circ$ C $\leq 85\%$ R.H.		
Storage Temperature	-15 $^\circ$ to 70 $^\circ$ C $\leq 85\%$ 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)		
<b>Two Year Warranty</b>			
Supplied Accessories	User manual, spare fuse and power cord		

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