

Triple Output DC Power Supplies



1670A

Model 1670A, 1671A Triple Output DC Power Supply

- One variable 0-30VDC, 3 A(1670A) section, 5 A(1671A) section
- One 12VDC fixed section
- One 5VDC fixed section
- Ideal for general electronic servicing, school electronics labs, and powering up hobbyists projects

Optional Accessory



TL-5A 5A Banana Plug Power Supply Cables

- 4mm Banana plug to alligator clip
- 5A rating
- Black and Red pair
- 40" (1.0m) length

Specifications

	models	
	1670A	1671A
Output Voltage	Main 0-30 VDC	
	Fixed 12VDC $\pm 5\%$	
	Fixed 5 VDC $\pm 5\%$	
Output Current	0-3 A Main	0-5 A Main
	Fixed 0-500 mA continuous	
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Constant Voltage Operation		
Voltage Regulation		
Line (120VAC $\pm 10\%$)	$\leq 0.05\% + 10\text{mV}$ Main	
	$\leq 1\%$ (Fixed)	
Load	$(0 \text{ to rated load}) \leq 0.05\% + 10\text{mV}$	
	$\leq 1\%$ (Fixed)	
Recovery Time	100 μs	
Ripple & Noise	$\leq 1\text{mVrms}$	
Temperature Coefficient	$\leq 300 \text{ ppm}^\circ\text{C}$	
Constant Current Operation		
Adjustable Current Limit	5% to 100% (Main)	
Current Regulation		
Line (120VAC $\pm 10\%$)	$\leq 0.4\% + 10\text{mA}$	
Load	$\leq 0.4\% + 10\text{mA}$	
Current Ripple	$\leq 10\text{mA rms}$	
Metering		
Display	2 digital 3 Digit LCD	
Voltmeter Accuracy	$\pm(1\% \text{ reading} + 2 \text{ digit})$	
Ammeter Accuracy	$\pm(1\% \text{ reading} + 2 \text{ digit})$	
Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit	
Power Requirements	120/220/ VAC, $\pm 10\%$, 50/60 Hz	
Power Consumption	170 W	
Operating Temperature	0 to 40 $^\circ\text{C}$ $\leq 75\%$ R.H.	
Storage Temperature	-15 $^\circ$ to 70 $^\circ\text{C}$ $\leq 85\%$ R.H.	
Dimensions (H x W x D)	4.9" x 8.5" x 11.5" (124 x 216 x 292 mm)	
Weight	11.5 lbs (5.2 kg)	14.3 lbs (6.5 kg)
Accessories One Year Warranty		
SUPPLIED: Instruction Manual, Line Cord		
OPTIONAL: TL-5A Hook up cables, TLPS		