

# Data Sheet

## Triple Output DC Power Supplies Models 1670A and 1671A

These triple output DC power supplies are ideal for general electronic servicing, school electronics labs, and powering up hobbyist's projects.



Model 1671A

| Model                             | 1670A  | 1671A  |
|-----------------------------------|--|--|
| <b>Output Parameters</b>          |  |  |
| Number of Outputs                 | Three (1 variable, 2 fixed)  |  |
| Range                             | 0-30 V / 0-3 A (variable)<br>12 V $\pm$ 5% / 500 mA (fixed)<br>5 V $\pm$ 5% / 500 mA (fixed) | 0-30 V / 0-5 A (variable)<br>12 V $\pm$ 5% / 500 mA (fixed)<br>5 V $\pm$ 5% / 500 mA (fixed) |
| <b>Constant Voltage Operation</b> |  |  |
| Line Regulation                   | $\leq$ 0.05% + 10 mV (main)<br>$\leq$ 1% (fixed output)                                      |  |
| Load Regulation                   | $\leq$ 0.05% + 10 mV (main)<br>$\leq$ 1% (fixed output)                                      |  |
| Ripple & Noise                    | $\leq$ 5 mV rms  |  |
| <b>Constant Current Operation</b> |  |  |
| Adjustable Current Range          | 5% to 100% (Main)  |  |
| Line Regulation                   | $\leq$ 0.4% + 10 mA  |  |
| Load Regulation                   | $\leq$ 0.4% + 10 mA  |  |
| Ripple & Noise                    | $\leq$ 10 mA rms   |  |
| <b>Metering</b>                   |  |  |
| Display                           | 3-digit LCDs   |  |
| Voltmeter Resolution              | 0.1 V  |  |
| Voltmeter Accuracy                | $\pm$ (1% reading + 2 digits)  |  |
| Ammeter Resolution                | 0.01 A   |  |
| Ammeter Accuracy                  | $\pm$ (1% reading + 2 digits)  |  |
| <b>General</b>                    |  |  |
| Overload Protection               | Current limiting, Reverse polarity, Overvoltage, Short circuit                               |  |
| AC Input                          | 115/230 VAC, 50/60 Hz  |  |
| Power Consumption                 | 165 W  | 265 W  |
| Operating Temperature             | 0° to 40°C < 10-80% R.H.   |  |
| Storage Temperature               | -15° to 70°C < 85% R.H.  |  |
| Dimensions (H x W x D)            | 4.9" x 8.5" x 9.5"<br>(124 x 216 x 242 mm)   | 4.9" x 8.5" x 11.5"<br>(124 x 216 x 292 mm)  |
| Weight                            | 10 lbs (4.5 kg)  | 14.3 lbs (6.5 kg)  |
| <b>One-Year Warranty</b>          |  |  |
| Included Accessories              | Instruction manual and spare fuse  |  |

- One variable 0 - 30 VDC,  
0 - 3 A variable section (1670A)  
0 - 5 A variable section (1671A)
- One 12 VDC fixed section
- One 5 VDC fixed section
- Constant voltage (CV) and constant current (CC) operation modes
- Short circuit and reverse polarity protection