

## 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                      | 1670A                                                                                        | 1671A                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Output Parameters          |                                                                                              |                                                                                              |
| 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) |
| Constant Voltage Operation |                                                                                              |                                                                                              |
| 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                                                                              |                                                                                              |
| Constant Current Operation |                                                                                              |                                                                                              |
| 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                                                                             |                                                                                              |
| Metering                   |                                                                                              |                                                                                              |
| 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)                                                                |                                                                                              |
| General                    |                                                                                              |                                                                                              |
| 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 xD)      | 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)                                                                            |
| One-Year Warranty          |                                                                                              |                                                                                              |
| Included Accessories       | Instruction manual and spare fuse                                                            |                                                                                              |



Model 1671A

- 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

Technical data subject to change



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