

PS401 - DC Power Supply - 18V 5A

- ✔ Selectable digital display at the push of a button to monitor the DC voltage or current supplied to the load.
- ✔ Automatic "Constant Current" and "Constant Voltage" crossover point indicated by two front panel LEDs matches the changes of the load eliminating the need to constantly adjust the output voltage or current.
- ✔ Adjustable current limiting protects both the power supply and the device under test from damage.
- ✔ Single, series, or parallel (master/slave) operation allows you to connect multiple supplies for higher voltages or currents to match the demands of the device under test.

PS401 Condensed Specifications

ELECTRICAL

Main Supply: 100V/120V/220V/240V $\pm 10\%$ 50/60Hz (Switch selectable)

Max. Rated Volts: 18V

Max. Rated Current: 5A

Input Rating: 160 Watts, 200VA

CONSTANT VOLTAGE OPERATION

Output Voltage Range: 0 to 18V continuously variable

Voltage Regulation:

Line Regulation: $\leq 0.01\% + 3\text{mV}$

Load Regulation: $\leq 0.01\% + 5\text{mV}$

Recovery Time: $\leq 100\mu\text{s}$ (50% load change, minimum load 0.5A)

Ripple and Noise: $\leq 1.5\text{mV}_{\text{rms}}$ (5Hz ~ 1MHz)

Temperature Coefficient: $\leq 300\text{ppm}/^\circ\text{C}$

CONSTANT CURRENT OPERATION

Output Current Range: 0 to 5A continuously variable

Current Regulation:

Line Regulation: $\leq 0.2\% + 3\text{mA}$

Load Regulation: $\leq 0.2\% + 3\text{mA}$

Ripple and Noise: $\leq 3\text{mA}_{\text{rms}}$

METER

Display: 3 1/2 digits 0.5" LED DISPLAY (Voltage and current switchable)

Accuracy: $\pm 0.5\%$, ± 2 digits

Resolution:

Volts: 0.1V

Amps LO: 0.001A

Amps HI: 0.01A

GENERAL

Dimensions (WxHxD): 5.0" x 5.7" x 11.2" (128mm x 145mm x 285mm)

Weight: 11.0 lbs. (5.0 kg)

INSULATION

Between Chassis and Output Terminal: 20M Ohm or above (500VDC)

Between Chassis and AC Line Cord: 30M Ohm or above (500VDC)