

FEATURES

- Low output THD
- Variable voltage and frequency
- Unique overload protection
- Bench top or rack mount
- Remote programming



MANUAL CONTROL OR PROGRAMMABLE AC POWER FOR YOUR BENCH OR TEST RACK

The P2001 delivers 2000 VA of clean, regulated AC power in a 5.25" high bench top unit that easily converts to rack mount, for far less than competitive models.

In the P2001 you'll find the quality features you expect from Behlman; fully adjustable voltage and frequency, low-output THD, high efficiency, plus excellent line and load regulation. There's also a unique overload protection system that folds back voltage to maintain rated current without output waveform distortion.

The unit can be controlled from the front panel or remotely using the optional 0-10 VDC, RS232 or IEEE-488 interface. Other options include extended frequency range, 45 Hz to 1000 Hz and rack mount kit.

Small size, low cost, quiet operation and high efficiency make the P2001 ideal for industrial product testing, precision avionic test, power conversion and Automatic Test Equipment testing

INPUT

Voltage: 120 VAC, +/- 10%
Frequency: 47-63 Hz (Option for 400 Hz input)

OUTPUT

Power: 2000 VA
Voltage: 0-135 V or 0-270 V, isolated
Frequency: 45-500 Hz (Option E: 45-1000 Hz)
Current: 15 Amps, 0-135 V Range,
7.5 Amps, 0-270 V Range

Crest Factor: 3:1
Power Factor: 100% of rated output into any power factor load
Distortion: 1.0% THD typical, measured at full load, 115 Volts, 60 Hz

Line Regulation: +/- 0.1% for +/- 10% line change
Load Regulation: +/- 0.7%, no load to full load
Efficiency: 80% typical

PROTECTIVE CIRCUITS

Input: Circuit Breaker
Constant Current: Overload automatically causes voltage fold-back to provide maximum current without distorting output waveform
Short Circuit: Short circuit overload electronically latches output open to protect load... power restored by recycling input power
Thermal: Internal temperature sensor prevents heat damage

CONTROLS / INDICATORS

Power On/Off: Circuit Breaker
Display: Two DMM's, one for volts and one for frequency (Hz) and amps

Output On/Off: Push button switch
Range: Push button switch (High/Low)
Indicators: Output on, high range, frequency or amps, constant current and fault

MECHANICAL & ENVIRONMENTAL

Dimensions: High-strength bench top chassis with removable rubber feet, 5.25"H x 17"W x 21"D (13.3 cm x 43.2 cm x 53.3 cm)
Weight: 65 lbs (29.5 kgs)
Operating Temperature: 32° to 131° F (0° to 55° C)
Cooling: Internal fans. Air flow front to rear.

Input Connections: Twist-lock receptacle supplied with plug and six foot line cord with unterminated end

Output Connections: Three safety sockets on front panel and enclosed terminal block on rear

OPTIONS: *Contact factory for additional options.*

- A:** Analog remote control...0-10 VDC for volts and frequency...contact closure for range and output
- E:** Extended frequency range, 45-1000 Hz
- I:** IEEE-488 interface
- IR:** RS 232 interface
- L:** Locking pots for volts & frequency
- RM:** Rack Mount kit
- S:** Slides
- 400:** 360-440 Hz input frequency

