Behlman Power Products

AC Power Source/ Frequency Converter

P2001

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

Crest Factor:

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

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

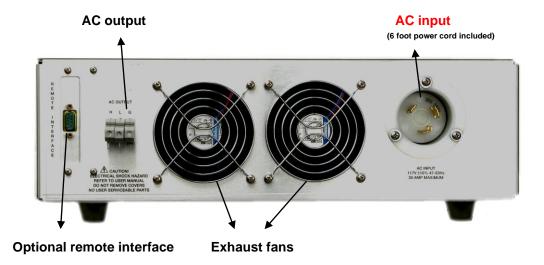
I: IEEE488 Interface IR: RS 232 interface

L: Locking pots for volts & frequency

RM: Rack Mount kit

S: Slides

400: 360-440 Hz input frequency





www.behlman.com



Headquarters: 80 Cabot Court, Hauppauge, NY 11788 631 435-0410 800 874-6727 Fax: 631 951-4341



