

Convel BPS5000 Triple Output Bench Top Power Supply Interconnectable Fixed Floating Outputs

The BPS5000 provides three fully stabilised and smoothed variable DC power sources. Maximum versatility is achieved by making each output isolated from the other so that they may be interconnected to provide plus and minus rails or added together for higher voltages.

Outputs are current limited. An internal diode protects against reverse connection. Further protection is provided by an internal thermal overload mechanism which decreases the output voltage on continued overload.

Indicator lights give an indication of excessive output current being drawn. An indicator light also gives identification of the mains power being on.

Outputs are terminated on 4mm terminals which double either as binding posts for wires or sockets for 4mm plugs.

A double-section bobbin transformer and careful layout internally ensures that the maximum mains/output isolation is achieved for greater safety.

Calex Electronics Limited

PO Box 2, Leighton Buzzard
Bedfordshire, England LU7 4AZ
Tel: +44 (0)1525 373178/853800
Fax: +44 (0)1525 851319
Lo-call Tel: 0845 3108053
E-mail: info@calex.co.uk
Online: <http://www.calex.co.uk>



GENERAL SPECIFICATIONS

Mains Input	240VAC ($\pm 7.5\%$) 50/60Hz
Mains Fuse	1A, 20 x 5mm (located on back panel).
Power On Indication	LED on front panel
Output Voltage	Output 1: 12V $\pm 0.2V$ Output 2: 12V $\pm 0.2V$ Output 3: 5V $\pm 0.2V$ (All outputs are isolated from one another).
Output Current	All outputs 1A max (for up to 4 hours) 0.75A continuous
Load Regulation	(0 to 1A) 1%
Line Regulation	(222V to 258V) 1%
Noise and Ripple	10mV rms
Overload Indication	Occurs at approximately 25% overload
Ambient Temperature Range	0°C to 35°C
Storage Temperature Range	-10°C to 80°C
Termination	For use with 4mm wander plugs or as a binding post for wire connection.
Dimensions (h x w x d)	110 x 165 x 175mm
Weight	2.39kg

EXAMPLES OF INTERCONNECTIONS FOR VARIOUS SUPPLY RAILS

