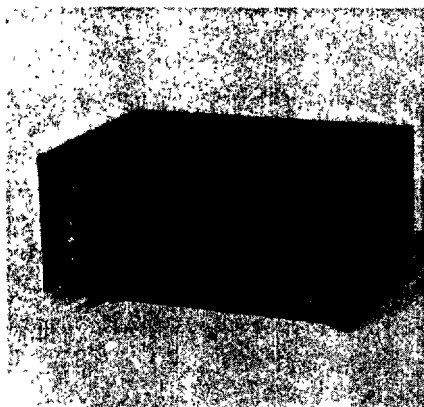


BENCH POWER SUPPLIES



low cost 5000 series



5005 0-15V, 1A

0 to 15 volts adjustable
Maximum current 1 amp
Current limit protection
Short circuit and reverse power protection
Thermal shut down
Low cost

The 5005 is manufactured by our subsidiary company BBH Coils and Transformers. It is a usefully rated utility power source for general purpose bench use. Although without built-in meters it is nevertheless adequately protected and very good value for money.

Mains input
240V $\pm 7\frac{1}{2}\%$ a.c. 50Hz

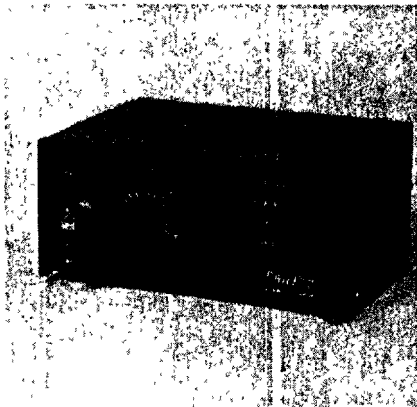
Output
0 to 15V adjustable by front panel control.
Maximum current 1A. Non-adjustable current limiting at approximately 1.5A.

Load regulation
Typically 0.5%

Ripple and noise
Typically 5mV r.m.s.

Dimensions (mm)
80H $\times$ 160W $\times$ 138D approx.
1.5kg

ORDER CODE: 5005



5006 0-30V, 0.5A

0 to 30V, volts adjustable
Maximum current 0.5 amp
Current limit protection
Short circuit and reverse power protection
Thermal shut down
Low cost

The 5006 is similar to the 5005 model but provides 0-30 volts output at up to 0.5 amp.

Mains input
240V $\pm 7\frac{1}{2}\%$ a.c. 50Hz

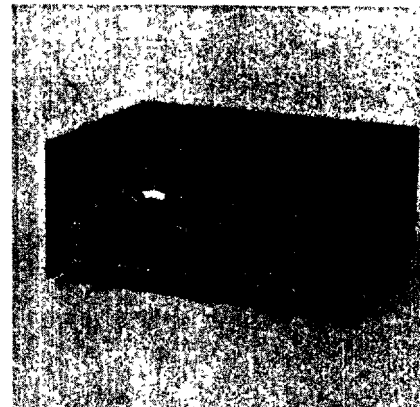
Output
0 to 30V adjustable by front panel control.
Maximum current 0.5A. Non adjustable current limiting at approximately 1.5A.

Load regulation
Typically 0.5%

Ripple and noise
Typically 5mV r.m.s.

Dimensions (mm)
80H $\times$ 160W $\times$ 138D
1.5kg

ORDER CODE: 5006



5007 4-6V, 0.5A, $\pm 12-15V$, 0.5A

4 to 6 volts adjustable
 ± 12 to 15 volts) adjustable
 -12 to 15 volts)
Maximum current 0.5 amps
Current limit protection
Short circuit and reverse power protection
Thermal shut down
Low cost

The 5007 is a triple output bench power supply. Output 1 is 4 to 6 volts adjustable. Outputs 2 and 3 are ± 12 to 15 and -12 to 15 volts with a common zero. These outputs are isolated from output 1.

Mains input
240V $\pm 7\frac{1}{2}\%$ a.c. 50Hz

Output
1) 4 to 6V adjustable by front panel control.
Maximum current 0.5A. Non-adjustable current limiting at approximately 1A.
2) ± 12 to 15V
3) -12 to 15V
Outputs 2 and 3 have common zero. Adjusted together by single front panel control. Non-adjustable current limiting at approximately 1A.

Load regulation
Typically 0.5% (all outputs)

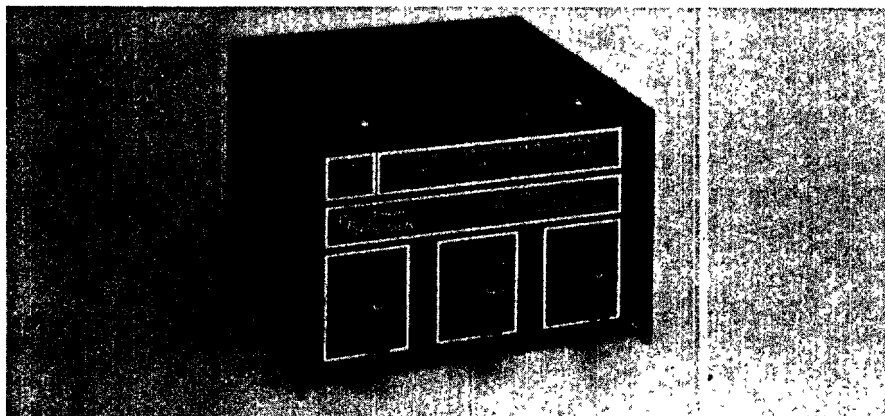
Ripple and noise
Typically 5mV r.m.s. (all outputs)

Dimensions (mm)
80H $\times$ 160W $\times$ 138D
1.5kg

ORDER CODE: 5007

BENCH POWER SUPPLIES

Triple output unit 5017



The BBH 5017 is one of the Power Products range of fixed output fully stabilised power supplies, designed to offer a low-cost, value for money power source for use in schools and colleges

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.

Mains Input

240V $\pm$ 7½% 50/60 Hz a.c. only.

Mains Fuse

1A straight 20 x 5mm (located on back panel)

Outputs

(Typical at mains nominal)

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)

0.75 A continuous

Load Regulation

(0 to 1A) 1%

Line Regulation

(222 volts to 258V) 1%

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

Noise and Ripple

10mV r.m.s.

Overload Indication

Occurs at approximately 25% overload.

Power on Indication

LED on front panel

Termination

For use with 4mm wander plugs or as a binding post for wire connection.

Operating ambient temperature range

0°C to 35°C

Storage Temperature range

-10°C to 80°C

Dimensions

Height: 110mm, Width: 165mm,

Depth: 175mm, Weight: 2.39kg

Triple output: 12V, 12V, 5V

Max current: 1A all outputs

All outputs fully isolated

Various combinations of output voltage possible by suitable linking

LED warning indicators

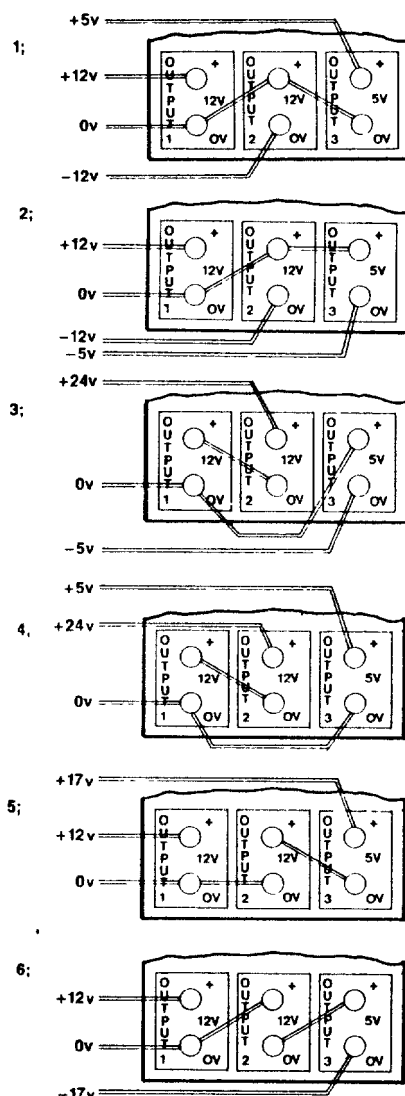
Current limit protection

Short circuit and reverse power protection

Thermal shutdown

Low cost

EXAMPLES OF INTERCONNECTIONS FOR VARIOUS SUPPLY RAILS



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FACSIMILE: (0388) 608774.

ORDER CODE: 5017