

Fixed Voltage Power Supplies

Educational Training Equipment for the 21st Century

Bulletin 417B

Electrical Specifications

Input

105-125V AC, 50-420 Hz (230V AC optional)

Regulation

- Line: 0.005% or 2mv Min. (10 volt change)
- Load: 0.05% or 10mv Min. (full load change)

DC Specifications

Ripple

Less than 500 microvolts

Impedance

- 100 Hz – 0.001 ohm
- 1 KHz – 0.005 ohm
- 10 KHz – 0.01 ohm
- 100 KHz – 0.1 ohm

Recovery Time

25 microseconds

Overshoot

None on turn on or off

Temperature

- Operating: -20 to +71°C
- Storage: -65 to +85°C
- Coefficient: 0.01%/°C max

Current Limiting

Fixed – foldback type – automatic recovery

Output

Floating

Semiconductors

Silicon

Capacitors

Computer grade – 10 year life

General Specifications

Case

14-gauge furniture stock steel finished in grey texture enamel

Panel

11-gauge furniture stock steel finished in white enamel

Feet

Non-mar

Protection

Circuit breaker, 1-pole on-off switch

Receptacles

- Hampden HR-1S color coded
- Duplex specification grade

Cords

Hampden PC-3 (1 red and 1 black)

Power Cord

3/c #16, 6 ft. long

Model BPS-5-1 DC Power Supply

Voltage: 5V DC
Current: 1A

Model BPS-5-5 DC Power Supply

Voltage: 5V DC
Current: 5A

Model BPS-24-2 DC Power Supply

Voltage: 24V DC
Current: 2A

Model BPS-24-2-120 AC Power Supply

Voltage: 24V AC/120V AC
Current: 5A/15A



MODEL BPS-24-2-120X shown

All Hampden units are available for operation at any voltage or frequency

Hampden
ENGINEERING CORPORATION

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