RECOGNIZED RELIABILITY

POWER DESIGNS INC.

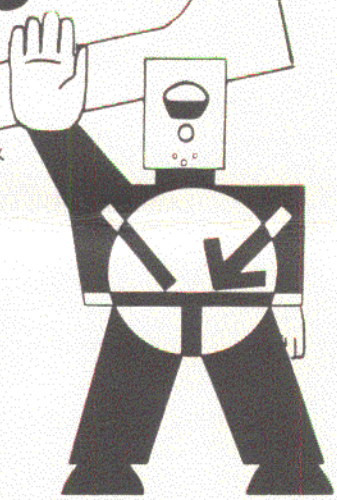
presents

SEMICONDUCTORIZED POWER SUPPLIES

featuring

ROBOTEC* PROTECTION

* TRADE MARK



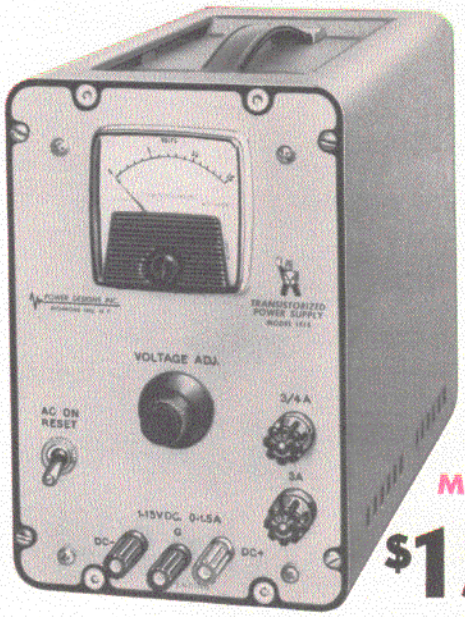
Power Designs' *Semiconductorized* Power Supplies utilize the unique properties of semiconductor devices to create new circuit concepts achieving performance, efficiency and reliability hitherto unattainable. These instruments are NOT the conventional transistorized versions of vacuum tube regulators.

ROBOTEC* is an inherent electronic circuit

Producing

SIMULTANEOUS CURRENT & VOLTAGE CUTOFF

UPON EXTERNAL SHORT CIRCUIT



MODEL 1515

$159.50

FEATURES:

- Provides internal and external circuit protection
- Operates in 30 microseconds
- Output remains cut off until manually reset
- Line input power drops to a few watts, with negligible internal transistor dissipation
- Power supply cannot be turned on if a short circuit exists across output terminals

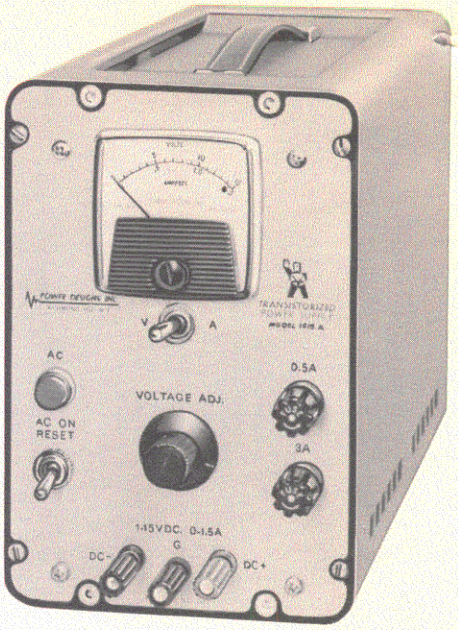
* U.S. PATENT PENDING

STABLE POWER SOURCES FOR ELECTRONIC INSTRUMENTATION

Power Designs inc.
NEW YORK

FEATURES:

- "ROBOTEC", for maximum reliability and circuit protection.
- High efficiency circuitry.
- Pre-aged transistors with controlled parameters insure interchangeability and field reliability.
- Volt-ammeter monitors output voltage or current on all models (Voltmeter only on Model 1515).
- Ico compensated amplifiers for maximum stability.
- Semiconductor devices employed throughout.
- Silicon diode voltage references operating in the zero temperature coefficient region.
- Silicon diode rectifiers derated to 50% of rated voltage and current.
- Computer quality electrolytic filter capacitors employed (minimum ten year life expectancy, two year minimum shelf life).
- Line and load circuits separately fused.
- Fifty hour pre-aging of instruments prior to test insures field service reliability.
- Portable.
  Models 1515, 1515A and 3206 measure
  5¾" W x 8⅝" H x 10" D.
- Modular package construction suitable for rack mounting on standard 8¾" x 19" rack panel. Rack panels available for single or dual mounting.
  Single Rack Panel Adapter: RRA-15 $15.50
  Dual Rack Panel Adapter: RRB-15 $15.50
- May be connected in series to provide increased voltage output at rated current.



MODEL 1515A
$174.50
WITH COMBINED
VOLT-AMMETER

ELECTRICAL SPECIFICATIONS:

MODELS 1515*, 1515A

OUTPUT: 1-15 volts D-C continuously variable at 0-1.5 amperes.

INPUT: 105-125 volts, 55-440 cycles, 40 watts**.

REGULATION: 7.5 millivolts or .05% (whichever is greater).

RIPPLE: Less than 250 microvolts rms.

SOURCE IMPEDANCE: .01 ohms to 20 kc, .5 ohms to 1 megacycle.

RESPONSE TIME: Less than 50 microseconds for 100% step change in rated load.

TEMPERATURE: Continuous duty at full load to 50°C ambient.

Either positive or negative output terminal may be grounded.

MODEL 3206

OUTPUT: 1-32 volts dc continuously variable at 0-600 milliamperes.

INPUT: 105-125 volts, 55-440 cycles, 34 watts**.

REGULATION: 15 millivolts or .05% (whichever is greater).

RIPPLE: Less than 500 microvolts rms.

SOURCE IMPEDANCE: .01 ohms to 20 kc, .5 ohms to 1 megacycle.

RESPONSE TIME: Less than 50 microseconds for 100% step change in rated load.

TEMPERATURE: Continuous duty at full load to 50°C ambient.

POLARITY: Either positive or negative output terminal may be grounded.

* Model 1515 has voltmeter only.
** At nominal line voltage.

MODEL 3206
$174.50
WITH COMBINED
VOLT-AMMETER

PRINTED IN U.S.A.

Prices subject to change without notice.