



DC Power Supplies

1302b

Triple Output DC Power Supplies

- Triple output, two 0-32V @ 2A and one 5VDC (variable from 4.5VDC to 5.5VDC) @ 5A.
- Isolated, independent supplies.
- Series and parallel operation.
- Short circuit protected
- Two digital readouts - monitor current or voltage.
- Constant voltage or constant current mode with green & red LED indicators
- Heavy duty transformer isolated design

The 1302-B Power Supply is a high performance triple output DC power supply for industrial and laboratory use. Performance with economy have successfully been combined to provide a compact, fully solid state instrument.

The two main outputs are continuously variable from 0 to 32V and can supply 2A maximum each. They can be operated in constant voltage or constant current modes. Automatic overload protection is achieved by fast transition from CV to CC mode and may be set at any point in the voltage or current range. Separate front panel meters are provided to monitor output voltage and load current for the 32V sections. Switch selection is provided to enable either voltage or current monitoring for each section. In addition, a separate 5V output is provided with variation from 4.5VDC to 5.5VDC maximum & maximum current of 5A foldback current limit.

The output voltage and current limit settings of the 0-32V outputs can be varied manually using front panel controls.



All of the outputs are floating - neither the output positive terminal nor the negative terminal (nor any point within the regulator circuitry) is connected to ground.

The power supply is designed to operate in ambient temperature of up to 40°C and full output may be drawn continuously provided free air circulation is allowed. The unit is available either in 110-120VAC @ 60Hz or 220-240VAC @ 50Hz.

The Global Specialties Model 1302-B Power Supply is a fully regulated triple output power source designed to meet virtually all DC voltage requirements. It is an indispensable tool for product development, testing, quality control, servicing, and education. This power supply is especially useful for analog and digital circuit design, offering a fixed/variable 5VDC output which is optimal for TTL applications.



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DUAL SECTION

Output Voltage 1&2	0-32DC (cont. var.)
Load Current 1&2	0-2A max (cont. var.)
Constant Voltage Mode	YES
Line Regulation	$\pm 0.01\%$ + 2mV for $\pm 10\%$ line change
Load Regulation	$\pm 0.01\%$ + 2mV for load change from zero to full
Ripple & Noise	1mv rms max
Constant Current Mode	YES
Line Regulation	$\pm 0.1\%$ + 250 μ A for 10% line change
Load Regulation	$\pm 0.1\%$ + 250 μ A for change in output V from 0-max
Ripple & Noise	0.8 mA rms max

METERING 2 separate 3-digit DPMs provided for O/P1 & O/P2

Meter Selection	Switch selection for voltage or current monitoring
Meter Accuracy	$\pm 0.5\%$ of rdg. +2 counts
Overload Protection	Automatic overload and short circuit protection

5V SECTION

Output Voltage	4.5 to 5.5VDC (adjustable)
Output Current	5A max with foldback current limit
Ripple & Noise	2mV rms max

GENERAL

Operating Temp	0 to 40°C
Input Voltage	110-120VAC@60Hz or 220-240VAC@50Hz
Weight	20 lbs, 6 oz net approx.
Dimensions	9"W x 11.5"D x 5.5"H

PART NUMBER

110V input	105-1307
220V input	105-1308