

Test Equipment

Triple Output DC Power Supply

Model 1302B



The Model 1302B 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.

The 1302B Power Supply is a high performance triple output DC power supply for industrial and laboratory use.

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.

Features:

- 3-Year Warranty
- 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 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 deg 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 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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Specifications

Model	1302-B
DUAL 0 TO 32V SECTION	
Output Voltage 1 & 2	0-32 DC continuously variable by voltage control
Load Current 1 & 2	0-2 Amp max., continuously variable by current control
CONSTANT VOLTAGE MODE OPERATION	
Line Regulation	$\pm 0.01\%$ +2mV for $\pm 10\%$ line change
Load Regulation	$\pm 0.01\%$ +2mV for load change from zero to full load
Ripple & Noise	1mV rms max
CONSTANT CURRENT MODE OPERATION	
Line Regulation	$\pm 0.1\%$ +250 μ A for $\pm 10\%$ line change
Load Regulation	$\pm 0.1\%$ +250 μ A for change in output voltage from 0 to maximum
Ripple & Noise	0.8 mA rms max
METERING	
Two separate 3 digit DPMs are provided for O/P 1 and O/P 2	
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 VDC to 5.5VDC
Output Current	5A max with foldback current limit
Ripple & Noise	2mV rms max
GENERAL	
Operating Temp	0 deg to 40 deg C
Input Voltage	110-120VAC @ 60Hz or 220-240VAC @ 50Hz
Dimensions	9" (W) x 11.5" (D) x 5.5" (H)
Weight	20 lbs, 6 ox net. approximately

Technical data subject to change without notice.



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