

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.

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.

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



Innovative Training Solutions

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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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Global Specialties:

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