



GLOBAL SPECIALTIES INSTRUMENTS



The 1305 DC Power Supply is a compact, high performance Dual output DC power supply for industrial and laboratory use. The two main outputs are continuously variable from 0 to 32V and can supply 5A max each. They can be operated in constant voltage or constant current modes. Automatic transition from CV to CC mode may be set at any voltage or current within the range. Separate front panel meters are provided to monitor output voltage and load current of the variable output sections.

The output voltage and current limit settings of the variable outputs can be varied manually using front panel controls.

All outputs are floating i.e., neither the output positive terminal nor the negative terminal (nor any point within the regular circuitry) is connected to ground.

Model 1305

Dual 0-32VDC @ 0-5AMP Regulated CC/CV DC Power Supply



Model 1305

- ▶ Two consistently variable 0-32VDC @ 0-5AMP outputs with coarse and fine adjust
- ▶ Constant Voltage/Constant Current operation with Green LED indicators
- ▶ Automatic transition from (CV) to (CC) mode at any voltage or current within the range
- ▶ Separate front panel 3 digit Green LEDs to monitor Voltage or Current from each output
- ▶ Each output is isolated, therefore series or parallel operation is possible and extends the output capabilities to either 0-64VDC @ 5 AMPS or 0-32VDC @ 10AMPS
- ▶ Remote sensing available on each output
- ▶ Automatic overload and short circuit protection
- ▶ 115-120VAC @ 60Hz or 211-220VAC @ 50Hz operation

Model 1305

Dual DC, CC/CV Power Supply

Specifications

Two Identical Sections

Output Voltage	0-32VDC continuously variable
Load Current	0-5 A max. continuously variable

Constant Voltage Mode Operation

Line Regulation ($\pm 10\%$ line change)	Less than $\pm 0.01\% + 2\text{mV}$
Load Regulation (no load to full load)	Less than $\pm 0.01\% + 2\text{mV}$
Ripple & Noise	Less than $1\text{mVrms max (20Hz-20MHz)}$

Constant Current Mode Operation

Line Regulation ($\pm 10\%$ line change)	Less than $\pm 0.1\% \pm 250\mu\text{A}$
Load Regulation (no load to full load)	Less than $\pm 0.1\% + 250\mu\text{A}$
Ripple & Noise	0.04% rms max (2.0mA)

Metering

Independent 3 digit DPMs for monitoring output voltage and load current of each section

Meter Accuracy	± 3 counts
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Overload Protection

Automatic overload and short circuit protection

General

Operating Temperature	0 to 40°C
Input Voltage	115V or 230VAC, 47 to 3Hz (with Internal Tap Selector)
Dimensions (WxDxH)	420mm x 300mm x 133mm
Weight	16.6Kg (36.88lbs) approx.

Ordering Information

Model 1305
P/N 105-1305