

Data Sheet

Triple Output Programmable DC Power Supply
Model 9130



The 9130 is a fully programmable triple Output DC Power Supply delivering 0-30V/0-3A on 2 outputs and 0-5V/0-3A on 1 output. Each output is fully floating and outputs can be adjusted independently or connected in series or parallel to produce higher voltages or currents. The 9130 is ideally suited for applications in Electronic Test, Production and Service where multiple independent DC supplies are required and bench space is at a premium.

Features & Benefits

- 3 independent, fully programmable and electrically isolated outputs
- Display & adjust Voltage and Current settings for all 3 channels simultaneously
- Flexible output configuration: Connect any 2 or all 3 channels in parallel
- Excellent stability and regulation
- Very compact foot print (rack mountable 2U x 1/2U)
- SCPI compatible command set. Communicate via USB interface, using the included USB to TTL Serial Converter cable. A RS232 interface cable, converting from RS232 to TTL, is optional (order IT-E131)
- OVP (Over Voltage) and OTP (Over Temperature) protection
- Output on/off control
- Application Software for front panel emulation and simple test sequence generation included
- 50 memory locations for instrument state storage & recall
- Closed case calibration

Specifications

Model	9130
Output Ratings	0 ~ 30 V (Ch1 & Ch2) 0 ~ 5 V (Ch3) 0 ~ 3 A (Ch1 & Ch2) 0 ~ 3 A (Ch3)
Load Regulation ±(% of output + offset)	≤ 0.01% + 3 mV ≤ 0.1% + 3 mA
Line Regulation ±(% of output + offset)	≤ 0.01% + 3 mV ≤ 0.1% + 3 mA
Programming Resolution	1 mV 1 mA
Readback Resolution	1 mV 1 mA
Programming accuracy (12 month) ±(% of output + offset)	≤ 0.03% + 10 mV ≤ 0.1% + 5 mA
Readback accuracy (at 25 °C ± 5 °C) ±(% of output + offset)	≤ 0.03% + 10 mV ≤ 0.1% + 5 mA
Ripple & Noise (20 Hz - 20 MHz)	Voltage: ≤ 1 mVrms/3 mVp-p Current: ≤ 5 mArms
Transient Response	< 500 μs for CH1&2, <200 μs for CH3 for output to recover to within 75 mV following a change from 100 mA to 1 A
Temperature Coefficient (0 °C ~ 40 °C) ±(% of output + offset)	≤ 0.03%+10 mV ≤ 0.1%+5 mA
Readback Temperature Coefficient ±(% of output+offset)	≤ 0.03%+10 mV ≤ 0.1%+5 mA
Tracking Accuracy Series Operation	≤ 0.05%+10 mA
Tracking Accuracy Parallel Operation	≤ 0.02%+5 mV ≤ 0.1%+20 mA
State Storage Memory	50 memory locations
Timer	Resolution: 1 s, Range: 1 s~999999 s
AC Input	115 V/220 VAC ± 10%, 47 to 63 Hz
Weight	19.8 lbs. (9 kg)
Dimensions (W x H x D)	8.45" x 3.47" x 13.9" (214.5 x 88.2 x 354.6 mm)
Three-Year Warranty	
Standard Accessories	User Manual, power cord, USB communication cable, software installation disk
Optional Accessories	RS232 to TTL Serial Converter cable IT-E131