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.

- 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	
	Voltage	**Current**
Output Ratings	0 ~ 30V (Ch1 & Ch2)	0 ~ 3A (Ch1 & Ch2)
	0 ~ 5V (CH3)	0 ~ 3A (CH3)
Load Regulation ±(% of output+offset)	≤ 0.01% + 3mV	≤ 0.1% + 3mA
Line Regulation ±(% of output+offset)	≤ 0.01% + 3mV	≤ 0.1% + 3mA
Programming Resolution	1mV	1mA
Readback Resolution	1mV	1mA
Programming accuracy 12 month, (at 25°C ± 5°C) ±(% of output+offset)	≤ 0.03% + 10mV	≤ 0.1% +5mA
Readback accuracy 12 month, (at 25°C ± 5°C) ±(% of output+offset)	≤ 0.03% + 10mV	≤ 0.1% +5mA
Temperature Coefficient (0°C ~ 40°C) ±(% of output+offset)	≤ 0.03%+10mV	≤ 0.1%+5mA
Readback Temperature Coefficient ±(% of output+offset)	≤ 0.03%+10mV	≤ 0.1%+5mA
Tracking Accuracy Series Operation		≤ 0.05%+10mA
Tracking Accuracy Parallel Operation	≤ 0.02%+5mV	≤ 0.1%+20mA
Ripple	≤ 1mVrms/3mVp-p	
Noise	≤ 3mVrms	
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	
General		
State Storage Memory	50 memory locations	
Timer	Resolution:1s, Range: 1s~999999s	
Weight	19.8 lbs. (9kg)	
Dimensions (W x H x D)	8.45" x 3.47" x 13.9" 214.5mm x 88.2mm x 354.6mm	

One Year Warranty

Accessories
Supplied: Line Cord, Manual, USB communication cable, software installation disk
Optional: RS232 to TTL Serial Converter cable IT-E131.

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ELECTRONIC TEST INSTRUMENTS