

# 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
Output Ratings	0 ~ 30V (Ch1 & Ch2) 0 ~ 5V (Ch3) 0 ~ 3A (Ch1 & Ch2) 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) ±(% of output+offset)	≤ 0.03% + 10mV ≤ 0.1% + 5mA
Readback accuracy (at 25°C ± 5°C) ±(% of output+offset)	≤ 0.03% + 10mV ≤ 0.1% + 5mA
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
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
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

#### Three Year Warranty

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

Technical data subject to change  
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