Keithley 2231A-30-3 vs. Rohde & Schwarz NGE103B

COMPETITIVE FACTSHEET

Parameter

The following table provides a basic comparison of the Keithley 2231A-30-3 DC Power Supply with the Rohde & Schwarz NGE103B Power Supply.





KEI 2231A-30-3

R&S NGE103B

Price			1.5x higher	
Number of Channels	3		3	
Maximum DC Output Ratings				
Voltage (per channel)	0 V to 30 V		0 V to 32 V	
Current (per channel)	0 A to 3 A		0 A to 3 A	
Max Power	195 W		100 W	
Max Power (per channel)	ch1: 90 W / ch2: 90 W / ch3: 15 W No power constraints		33.6 W Voltage and current limited by max. power	
Programming accuracy				
Voltage	≤ 0.06% + 20 mV		< 0.1% + 30 mV	
Current	≤ 0.2% + 10 mA		< 0.1% + 5 mA	
Readback Accuracy				
Voltage	≤ 0.06% + 20 mV		< 0.1% + 20 mV	
Current	≤ 0.2% + 10 mA		< 0.1% + 5 mA	
Setting and Readback Resolution				
Voltage	10 mV		10 mV	
Current	1 mA		1 mA	
Ripple and Noise				
Voltage	≤ 1 mV _{rms}	≤ 5 mV _{p-p}	< 1.5 mV _{rms}	< 20 mV _{p-p}
Load Regulation				
Voltage	≤ 0.02% + 4 mV		< 0.1% + 20 mV	
Line Regulation				
Voltage	≤ 0.02% + 4 mV		< 0.1% + 20 mV	
Setup Memory Locations	30		5	
Protection Functions	OVP, OTP		OVP, OCP, OPP, OTP	
Communications Interfaces	USB		USB, LAN, WLAN	
Control Software	Kickstart		R&S HMExplorer	

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