

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

COMPETITIVE FACTSHEET

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



Parameter	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 HMEexplorer