

Tektronix PWS2000 Series vs. Keithley 2231A-30-3

COMPARISON FACTSHEET

The following table provides a basic comparison to help you transition from the Tektronix PWS2000 Series to the Keithley 2231A-30-3. For additional details, refer to the datasheets on tek.com.



Parameter	PWS2000 Series	2231A-30-3
Number of Channels	1	3
Maximum Output Range		
Voltage	Up to 72 V	Up to 30 V; up to 60 V in series combination mode
Current	Up to 6 A	Up to 3 A; up to 6 A in parallel combination mode
Readback Accuracy		
Voltage	< 0.05% + 15 mV	< 0.06% + 20 mV
Current	< 0.01% + 15 mA	< 0.02% + 10 mA
Setting and Readback Resolution		
Voltage	10 mV	10 mV
Current	10 mA	1 mA
Ripple and Noise		
Voltage	1 mV _{RMS} / 3 mV _{pp} (20 Hz – 7 MHz)	1 mV _{RMS} / 5 mV _{pp} (20 Hz – 20 MHz)
Current	< 5 mA _{RMS} (20 Hz – 7 MHz)	< 6 mA _{RMS} (20 Hz – 20 MHz)
Line Regulation		
Voltage	<= 0.1% + 5 mV	<= 0.02% + 4 mV
Current	<= 0.1% + 2 mA (typical)	<= 0.2% + 3 mA
Load Regulation		
Voltage	<= 0.04% + 6 mV	<= 0.02% + 4 mV
Current	<= 0.1% + 2 mA (typical)	<= 0.2% + 3 mA
Protection Functions	N/A	OVP, OTP
Communications Interfaces	N/A	RS-232 /USB adapter (optional)
Internal Memory Locations	20	30
Weight	Up to 6.7 kg / 14.8 lb.	7.1 kg / 15.7 lb.
Tracking and Combination Modes	N/A	Tracking, CH1+2 Series, CH1+2 parallel
Rackmount Kit Available?	Yes	Yes
Basic Warranty	3 year	3 year
Control Software	N/A	KickStart 2.7.0 (and later)