



Keithley's DMM6500 6½-Digit Touchscreen Bench/System Digital Multimeter:



- FASTER MEASUREMENT INSIGHTS
- WIDER RANGE OF MEASUREMENTS
- WAVEFORM CAPTURE AND DISPLAY

See the differences firsthand between the DMM6500 and the 2000.



DMM6500

2000

Display	5 inch capacitive touchscreen with graphical user interface and pinch-and-zoom manipulation of plots	Vacuum Fluorescent, 1 Line
Resolution	3½ to 6½ digits	4½ to 6½ digits
Waveform Capture	16-bit, up to 1 Msample/s	None
DC Measurements	DCV: 100 nV to 1000 V Resistance: 1 µΩ to 100 MΩ DCI: 10 pA to 10 A	DCV: 100 nV to 1000 V Resistance: 100 µΩ to 100 MΩ DCI: 10 nA to 3 A
1 Year DC Accuracy PPM (Rdg + Range) (10 V / 10 kΩ / 100 mA)	DCV: 25+5 DCI: 200+50 Resistance: 75+6	DCV: 30+5 DCI: 500+800 Resistance: 100+1
Low Resistance Functions	Offset Compensation	None
AC Measurements	ACV: 100 mV to 750 V ACI: 100 pA to 10 A	ACV: 100 nV to 750 V ACI: 1 µA to 3 A
1 Year AC Accuracy % (Rdg + Range) (60 Hz: 1 V / 1 A)	ACV: 0.05 + 0.03 ACI: 0.10 + 0.04	ACV: 0.05 + 0.03 ACI: 0.10 + 0.04
Additional Measurement Functions	<ul style="list-style-type: none"> • Secondary Measurement Function Display • Temperature with thermocouple, thermistor, and RTD • Capacitance • Frequency, Period, and Continuity • DCV Ratio • Diode Test with Source Currents: 10 µA, 100 µA, 1 mA, and 10 mA 	<ul style="list-style-type: none"> • Temperature with thermocouple • Frequency, Period, and Continuity • Ratio with 2001-SCAN Card Option • Diode Test with Source Currents: 7 µA, 70 µA, 1 mA
PC interfaces	USB/TMC, LAN/LXI	GPIB, RS232
USB Host (flash drive)	Yes, Front Panel	None
Internal Reading Memory	7 Million	1024
Typical Measure Speed (DCV)	16,900 rdgs/sec @ 4½ digits	2000 rdgs/sec @ 4½ digits
Command Language	SCPI or TSP Programming. Emulation of Keithley 2000 and Keysight 34401A	SCPI Programming. Emulation of Keithley 196/199 and Fluke 8840A, 8842A
Options	10-channel Scanner Card 9-channel Temperature Scanner Card GPIB Interface, RS232 Interface, TSP-Link® Interface (all interface options include Digital I/O)	10-channel Scanner Card 9-channel Temperature Scanner Card

Need more proof that the DMM6500 is the ideal successor to your 2000 DMM? Visit the [product page](#) for the datasheet, additional specifications, videos, and more.

