Product Fact Sheet DMM 7510 7¹/₂-Digit Graphical Sampling Multimeter

Capturing Accuracy, Data Visualization, and Interactivity in a New Class of DMM



Touch, Test, Invent®





DMM7510 7¹/₂-Digit Graphical Sampling Multimeter

Unprecedented Combination of Data Visualization, Accuracy, and Interaction



Features and Benefits

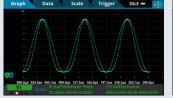
3 ¹ / ₂ - to 7 ¹ / ₂ -digit resolution	Meets demanding accuracy requirements
100 mV, 1Ω, 10 uA ranges	Captures low level signals
Five-Inch touchscreen display	Lowers learning curve; returns results faster
1 MS/sec digitizer	Captures and displays waveforms or transient
Auto-calibration feature	Improves accuracy and stability by minimizing temperature and time drift
Two-year specifications	Allows longer calibration cycles

Beyond the Traditional DMM

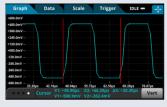
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7¹/₂-digit accuracy 15 basic functions



Compare signal traces



Set vertical or horizontal cursors

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Source Event NoneWaveform	Analog	Edge	
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Advanced triggering options

Measure Views Trigger Scripts System Quicter Quip Trigger Scripts System Image: Scripts Quip Trigger Trigger

Icon based design

Typical Applications



High Precision R&D

- Device characterization, debugging and analysis
- R&D for precision components



Production/ATE

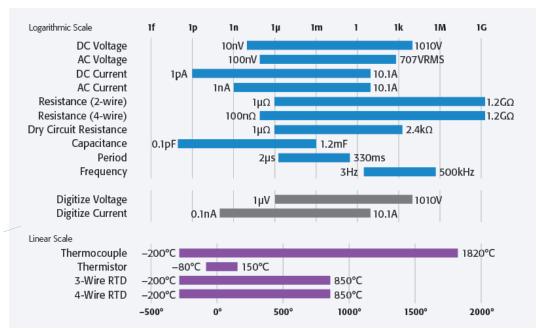
- Precision component production
- Component binning
- Production System Reference





Condensed Specifications

DMM7510 71/2-Digit Graphical Sampling Multimeter



Measurement Specifications

Tektronix®

	Range	Resolution	Accuracy ± [ppm of reading + ppm of range]				
			24 hour T _{CAL} ±1 °C	90 day T _{CAL} ±5 °C	1 year T _{CAL} ±5 °C	2 year T _{CAL} ±5 °C	Temp coefficient
DC Voltage	10.000000 V	1 µV	2 + 0.7	9 + 1.2	14 + 1.2	22 + 1.2	0.1 + 0.05
DC Current	100.00000 µA	10 pA	20 + 5	60 + 9	60 + 9	60 + 9	0.15 + 0.1
Resistance	1.0000000 kΩ	100 μΩ	12 + 3	24 + 4	24 + 4	24 + 4	0.15 + 0.1

Refer to www.keithley.com for additional product details, complete specifications, application notes, software, videos, product tours.

Ordering Information				
DMM7510	7½-Digit Graphical Sampling Multimeter			
DMM7510-NFP	7½-Digit Graphical Sampling Multimeter, with No Front Panel			
DMM7510-RACK	7½-Digit Graphical Sampling Multimeter, with No Handle			
DMM7510-NFP- RACK	7½-Digit Graphical Sampling Multimeter, with No Front Panel and No Handle			
Accessories	Supplied			
1756	Test Leads			
USB-B-1	USB Cable, Type A to Type B, 1m (3.3 ft)			
CA-180-3A	TSP-Link/Ethernet Cable			
Documentation CD	Documentation CD			
DMM7510 QuickStart Guide				
Test Script Builder Software*				
KickStart Startup Software*				
LabVIEW and IVI Drivers *				
*Available at www.keithley.com for download				

Accessories Recommended

3 year Keithleycare gold plan
5 year Keithleycare gold plan
Keithleycare 3 year ISO 17025 calibration plan
Keithleycare 3 year calibration w/ data plan





For information on how to purchase or to locate a sales partner please visit www.keithley.com/buy