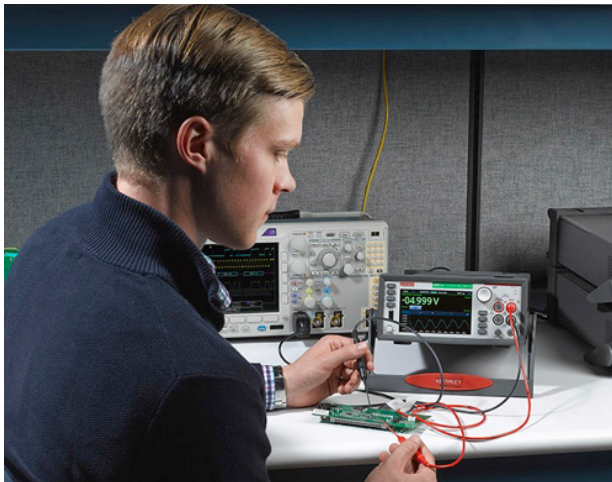


## Quick Fact Sheet

# DMM 7510 7½-Digit Graphical Sampling Multimeter

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



Touch, Test, Invent®

# DMM7510 7½-Digit Graphical Sampling Multimeter

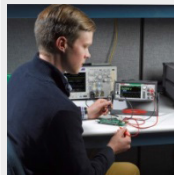
Unprecedented Combination of Data Visualization, Accuracy, and Interactivity



	Features	Benefits
Precision	<ul style="list-style-type: none"> <li>Precision multimeter with 3½- to 7½-digit resolution</li> <li>Expanded ranges: 100mV, 1Ω, and 10μA for low level signals</li> </ul>	<ul style="list-style-type: none"> <li>Meets demanding accuracy requirements</li> <li>Captures low level signals</li> <li>Provides comparable accuracy to 8½-digit DMMs at only half the price</li> </ul>
Graphical	<ul style="list-style-type: none"> <li>Five-inch, high resolution touchscreen display</li> </ul>	<ul style="list-style-type: none"> <li>Visualize your signals and transients</li> <li>Lowers learning curve and returns results faster</li> </ul>
Sampling	<ul style="list-style-type: none"> <li>Precisely analyze current and voltage waveforms and transients with 1MS/sec, 18-bit digitizer</li> </ul>	<ul style="list-style-type: none"> <li>Captures signals with advanced analog triggering, including edge, pulse, and window</li> </ul>

## 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

	Feature	Keithley DMM7510	
Data Visualization	Reading Memory (Volatile)	27.5 million	
	Digitizer	Rate	1 MS/sec
		# of Bits	18 bits
Accuracy	DCV	Best Range [24hr]	10 V [2+0.7] @1NPLC
		Lowest Range	100 mV
	Ohms	Best Range [24hr]	1k [12+3] @ 1NPLC
		Lowest Range	1 Ohm
DCI	Best Range [24hr]	100μA [20+5] @1NPLC	
	Lowest Range	10 uA	
Interaction	Graphical User Interface	Five-inch touchscreen	
	Remote Interface	GPIB, USB, LAN/LXI	
	USB Data Retrieval	Yes from front panel	
	Resolution	3½ to 7½ digits	
	Start-up Software	KickStart	

# DMM7510 7½-Digit Graphical Sampling Multimeter

## Unprecedented Combination of Data Visualization, Accuracy, and Interactivity

### Ordering Information

<b>DMM7510</b>	7½-Digit Graphical Sampling Multimeter
<b>DMM7510-NFP</b>	7½-Digit Graphical Sampling Multimeter, with No Front Panel
<b>DMM7510-RACK</b>	7½-Digit Graphical Sampling Multimeter, with No Handle
<b>DMM7510-NFP-RACK</b>	7½-Digit Graphical Sampling Multimeter, with No Front Panel and No Handle

### Accessories Supplied

<b>1756</b>	Test Leads
<b>USB-B-1</b>	USB Cable, Type A to Type B, 1m (3.3 ft)
<b>CA-180-3A</b>	TSP-Link/Ethernet Cable
<b>Documentation CD</b>	
<b>DMM7510 QuickStart Guide</b>	
<b>Test Script Builder Software*</b>	
<b>KickStart Startup Software*</b>	
<b>LabVIEW and IVI Drivers *</b>	
*Available at <a href="http://www.keithley.com">www.keithley.com</a> for download	

### Accessories Available

#### Test Leads and Probes

<b>1752</b>	Premium Safety Test Lead Kit
<b>1754</b>	2-Wire Universal 10-Piece Test Lead Kit
<b>1756</b>	General Purpose Test Lead Kit
<b>5804</b>	Kelvin (4-Wire) Universal 10-Piece Test Lead Kit
<b>5805</b>	Kelvin (4-Wire) Spring-Loaded Probes
<b>5806</b>	Kelvin Clip Lead Set
<b>5808</b>	Low Cost Single-pin Kelvin Probe Set
<b>5809</b>	Low Cost Kelvin Clip Lead Set
<b>8606</b>	High Performance Modular Probe Kit
<b>8610</b>	Low Thermal Shorting Plug

#### Cables, Connectors, Adapters

<b>CA-18-1</b>	Shielded Dual Banana Cable, 1.2m (4 ft.)
----------------	--

### Replacement Fuse

<b>DMM7510-FUSE-10A</b>	11A Current Fuse For DMM7510
<b>DMM7510-FUSE-3A</b>	3.5A Current Fuse For DMM7510

### Communication Interfaces & Cables

<b>KPCI-488LPA</b>	IEEE-488 Interface for PCI Bus
<b>KUSB-488B</b>	IEEE-488 USB-to-GPIB Interface Adapter
<b>7007-1</b>	Shielded GPIB Cable, 1m (3.2ft)
<b>7007-2</b>	Shielded GPIB Cable, 2m (6.5ft)
<b>CA-180-3A</b>	CAT5 Crossover Cable for TSP-Link / Ethernet
<b>USB-B-1</b>	USB Cable, Type A to Type B, 1m (3.3 ft)

### Triggering and Control

<b>2450-TLINK</b>	DB-9 to Trigger Link Connector Adapter
<b>8501-1</b>	Trigger Link Cable, DIN-to-DIN, 1m (3.2 ft.)
<b>8501-2</b>	Trigger Link Cable, DIN-to-DIN, 2m (6.5 ft.)
<b>8503</b>	DIN-to-BNC Trigger Cable

### Rack Mount Kits

<b>4299-8</b>	Single Fixed Rack Mount Kit
<b>4299-9</b>	Dual Fixed Rack Mount Kit
<b>4299-10</b>	Dual Fixed Rack Mount Kit. Mount One DMM7510 and One Series 26xxB Instrument
<b>4299-11</b>	Dual Fixed Rack Mount Kit. Mount One DMM7510 and One Instrument from Series 2400, Series 2000, etc.
<b>4299-12</b>	Dual Fixed Rack Mount Kit. Mount One DMM7510 and One KeySight Instrument.
<b>DMM7510-BenchKit</b>	Ears and Handle for DMM7510-NFP-RACK and DMM7510-RACK Models

### Services Available

#### Extended Warranties

<b>DMM7510-EW</b>	1 Year Factory Warranty Extended to 2 Years from Date of Shipment
<b>DMM7510-3Y-EW</b>	1 Year Factory Warranty Extended to 3 Years from Date of Shipment
<b>DMM7510-5Y-EW</b>	1 Year Factory Warranty Extended to 5 Years from Date of Shipment
<b>DMM7510-NFP-EW</b>	1 Year Factory Warranty Extended to 2 Years from Date of Shipment
<b>DMM7510-NFP-3Y-EW</b>	1 Year Factory Warranty Extended to 3 Years from Date of Shipment
<b>DMM7510-NFP-5Y-EW</b>	1 Year Factory Warranty Extended to 5 Years from Date of Shipment

#### Calibration Contracts

<b>C/DMM7510-3Y-17025</b>	KeithleyCare® 3 Year ISO-17025 Calibration Plan
<b>C/DMM7510-3Y-DATA</b>	KeithleyCare 3 Year Calibration w/Data Plan
<b>C/DMM7510-3Y-STD</b>	KeithleyCare 3 Year Std Calibration Plan
<b>C/DMM7510-5Y-17025</b>	KeithleyCare 5 Year ISO-17025 Calibration Plan
<b>C/DMM7510-5Y-DATA</b>	KeithleyCare 5 Year Calibration w/Data Plan
<b>C/DMM7510-5Y-STD</b>	KeithleyCare 5 Year Std Calibration Plan
<b>C/DMM7510-NFP-3Y-17025</b>	KeithleyCare 3 Year ISO-17025 Calibration Plan
<b>C/DMM7510-NFP-3Y-DATA</b>	KeithleyCare 3 Year Calibration w/Data Plan
<b>C/DMM7510-NFP-3Y-STD</b>	KeithleyCare 3 Year Std Calibration Plan
<b>C/DMM7510-NFP-5Y-17025</b>	KeithleyCare 5 Year ISO-17025 Calibration Plan
<b>C/DMM7510-NFP-5Y-DATA</b>	KeithleyCare 5 Year Calibration w/Data Plan
<b>C/DMM7510-NFP-5Y-STD</b>	KeithleyCare 5 Year Std Calibration Plan
<b>C/NEW DATA</b>	Calibration Data for New Units
<b>C/NEW DATA ISO</b>	ISO-17025 Calibration Data for New Units



# Tektronix



**KEITHLEY**

A Tektronix Company

For information on how to purchase or to locate a sales partner please visit [www.keithley.com/buy](http://www.keithley.com/buy)