

DMM7510 Graphical Sampling Digital Multimeter



Applications

- **Device Characterization, Debugging, and Analysis (e.g. IoT devices)**
 - Low level voltage, resistance, current measurement
 - Instrument setup and data analysis
 - Troubleshooting unexpected or transient signals
 - Low power efficiency testing
- **R&D in Precision Components**
 - Quality assurance or failure analysis
 - Precision components, passive resistors, sensors, capacitors, precise relays, semiconductor research
- **Precision Component Production**
 - Maximize throughput of the production line
 - Ensure the quality of the tested components
 - Binning components based on tolerances or accuracy
- **Production System Reference**
 - Require a precision DMM as a reference for other instruments in the production rack

Benefits

- 7 1/2 digits and 14 ppm basic accuracy for precise and reliable measurement results
- Ease of use through 5-inch high resolution touchscreen, context-sensitive help, and icon-based user interface
- Detailed insights in transients and waveforms with 1MHz digitizer and buffer for 27.5M readings
- 10µA current, 100mV voltage, and 1Ohm resistance ranges for low power applications
- Multiple connectivity options with GPIB, USB, and LXI-compliant LAN interfaces for measurement automation

Allied products

- 2000 series / 2700 series / 3700 series

Frequently asked questions

- Are temperature measurements possible? – Yes, with thermocouple, RTD, or thermistor
- Can I add expansion channels? – Have a look at 2700 and 3700 series DMM/Switch systems
- Which software can I use? Free Kickstart software (downloaded from the webpage)