




Comparison Guide

| Company | B&K Precision | | Keysight | | Keithley | |
|-----------------------------|---|----------------|---|----------------|---|----------------|
| Model | DAQ3120 | | DAQ970A | | DAQ6510 | |
| |  | |  | |  | |
| Price | \$1,920 | | \$2,549 | | \$2,680 | |
| Key Characteristics | | | | | | |
| Maximum Scan Rate | 450 channels/s | | 450 channels/s | | 800 channels/s | |
| Memory Capacity | 100 kpts (non-volatile) | | 1 Mpts (non-volatile) | | 7 Mpts (volatile) | |
| Resolution | 6 ½ digits | | 6 ½ digits | | 6 ½ digits | |
| No. of Slots | 3 | | 3 | | 2 | |
| Maximum No. of Channels | 120 | | 120 | | 80 | |
| DMM Specifications | | | | | | |
| Reading Speed | 38400 readings/s | | 50000 readings/s | | 20600 readings/s | |
| Measurements | Range | Basic Accuracy | Range | Basic Accuracy | Range | Basic Accuracy |
| Voltage (AC) | 100 mV to 400 V | 0.050% | 100 mV to 300 V | 0.050% | 100 nV to 750 V | 0.050% |
| Voltage (DC) | 100 mV to 600 V | 0.0035% | 100 mV to 300 V | 0.003% | 100 nV to 1010 V | 0.0025% |
| Current (AC) | 100 µA to 2 A | 0.10% | 100 µA to 1 A | 0.10% | 100 pA to 10.1 A | 0.10% |
| Current (DC) | 1 µA to 2 A | 0.05% | 1 µA to 1 A | 0.05% | 10 pA to 10.1 A | 0.02% |
| Resistance | 100 Ω to 1000 MΩ | 0.01% | 100 Ω to 1000 MΩ | 0.004% | 1 µΩ to 120 MΩ | 0.0075% |
| Frequency | 3 Hz to 300 kHz | 0.01% | 3 Hz to 300 kHz | 0.007% | 3 Hz to 300 kHz | 0.009% |
| Capacitance | 1 nF to 100 µF | 2% | 1 nF to 100 µF | 0.40% | 0.1 pF to 120 µF | 0.40% |
| General | | | | | | |
| Signal Conditioning | ✓ | | ✓ | | ✓ | |
| Direct Logging to USB Drive | ✓ | | ✓ | | ✓ | |
| Web Interface | ✓ | | ✓ | | ✓ | |
| Relay Switch Count | ✓ | | ✓ | | ✓ | |
| Alarms | ✓ | | ✓ | | ✓ | |
| Software | DAQ-Data logger | | BenchVue DAQ | | KickStart | |
| Display Size | 4.3" LCD | | 4.3" LCD | | 5" multi-touch display | |
| Communication Interfaces | LAN, USB (USBTMC/VCP), Micro-GPIB (optional) | | LAN (LXI), USB (USBTMC/VCP), Micro-GPIB (optional) | | LAN (LXI), USB-TMC, optional: GPIB, RS232, TSP-Link | |
| Number of Modules Available | 5 | | 9 | | 12 | |

Technical data subject to change

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DAQ970A & DAQ6510 Series list prices as of 02-26-2025