



# Keithley's DAQ6510 6½-Digit Data Acquisition and Logging Multimeter System

- FASTER TEST SETUP, EXECUTION, AND ANALYSIS TIME
- WIDER RANGE OF MEASUREMENTS
- REDUCED TEST TIME



See the differences firsthand between the DAQ6510 and the 2700/2701.



DAQ6510



2700/2701

|                                              |                                                                        |                                                                 |
|----------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------|
| Display                                      | 5 inch Multi-Touch Capacitive Touchscreen                              | Single Line Vacuum Fluorescent Display                          |
| Display of Secondary Measurement             | Yes                                                                    | No                                                              |
| Maximum Scanning Rate                        | >800 channels/s                                                        | 500 channels/s (2701)<br>180 channels/s (2700)                  |
| Interfaces                                   | <b>Standard:</b> USB/LAN LXI<br><b>Options:</b> GPIB, RS-232, TSP-Link | GPIB, RS-232 (2700)<br>LAN (2701)                               |
| Test Script Processing                       | Yes                                                                    | No                                                              |
| Emulation                                    | 2700/2701                                                              | Not applicable                                                  |
| Switch Modules                               | 7700 Series                                                            | 7700 Series                                                     |
| Temperature Measurement                      | -200 °C to 1820 °C                                                     | -200 °C to 1820 °C                                              |
| Capacitance Measurement                      | Yes                                                                    | No                                                              |
| DC Voltage Ratio Measurement                 | Yes                                                                    | No                                                              |
| 16-Bit Digitizing up to 1Msamples/s          | Yes, V and I                                                           | No                                                              |
| Range of DC Measurements                     | 100 nV to 1000 V<br>1 μΩ to 100 MΩ<br>10 pA to 3 A                     | 100 nV to 1000 V<br>100 μΩ to 100 MΩ<br>10 nA to 3 A            |
| DC Accuracy, 1 Year PPM of (Reading + Range) | <b>DCV:</b> 25 + 5<br><b>R:</b> 75 + 6<br><b>DCI:</b> 200 + 50         | <b>DCV:</b> 30 + 5<br><b>R:</b> 100 + 6<br><b>DCI:</b> 500 + 80 |
| Range of AC Measurements                     | 100 nV to 750 V<br>100 pA to 3 A                                       | 100 nV to 750 V<br>1 μA to 3 A                                  |
| AC Accuracy, 1 Year % of (Reading + Range)   | <b>ACV:</b> 0.06 + 0.03<br><b>ACI:</b> 0.10 + 0.04                     | <b>ACV:</b> 0.06 + 0.03<br><b>ACI:</b> 0.10 + 0.04              |

Need more proof that it's time to switch to the DAQ6510? Visit the [product page](#) for the datasheet, additional specifications, videos, and more.

