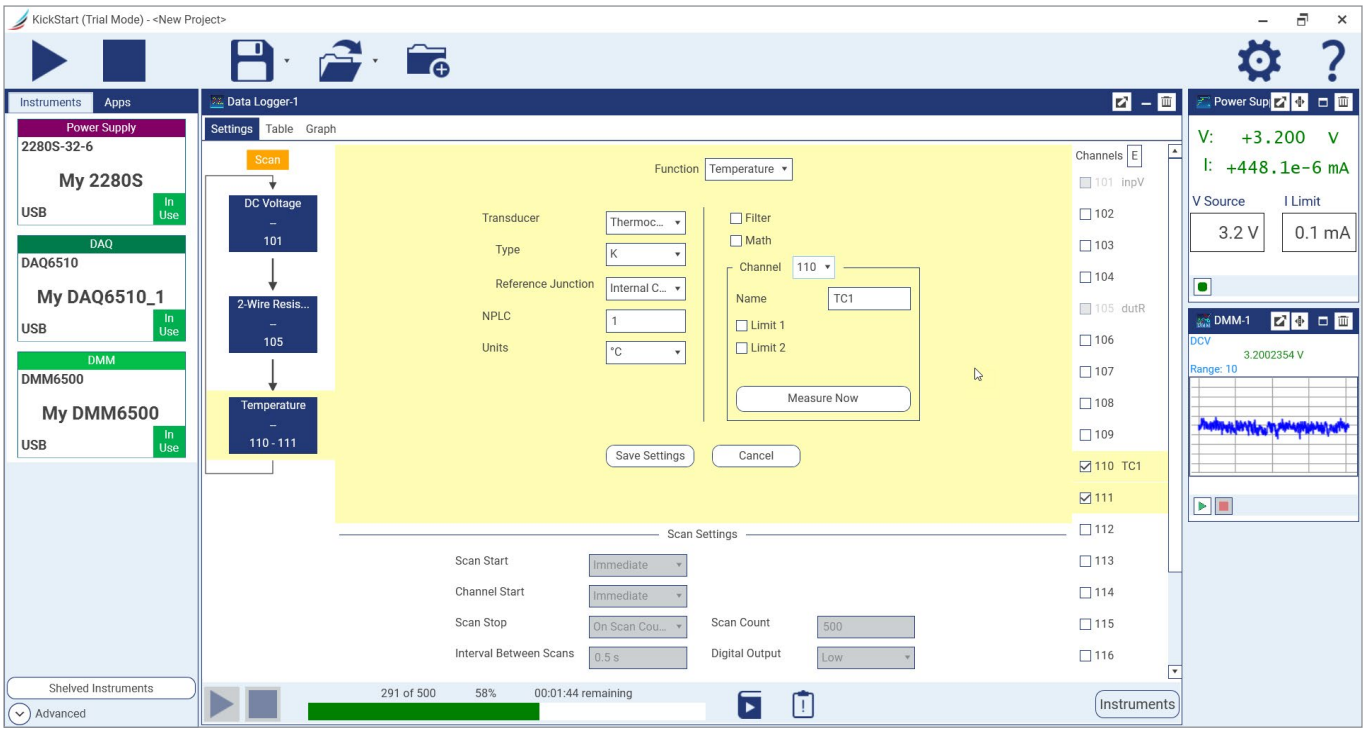
Datasheet

KickStart



KEITHLEY
A Tektronix Company

Accelerate the path to the measurements you want with KickStart Software. KickStart simplifies what you need to know about the instrument so that in just minutes you can take the instrument out of the box and get real data on your device. By plotting data immediately and offering quick statistical summaries of the data in the reading table, KickStart allows you to gather insights faster and make the decisions you need to move on to the next stage of device development. KickStart saves you time by facilitating quick replication of tests and comparison of results using convenient export features. With KickStart, you can focus on interpreting the test results so that your team can meet their innovation goals.

Key Features

KickStart Software for the PC enables quick test setup and data visualization when using multiple instruments.

- Save time by automating data collection of millions of readings.
- Set up a multi-instrument test with the ability to independently control up to eight instruments.
- Supports power supplies, source measure unit (SMU) instruments, DMMs, and dataloggers.
- Replicate tests quickly using saved test configurations.
- Use built-in plotting and comparison tools to quickly discover measurement anomalies and trends.
- Export data in ready-to-use formats for reports and additional analysis.

Applications

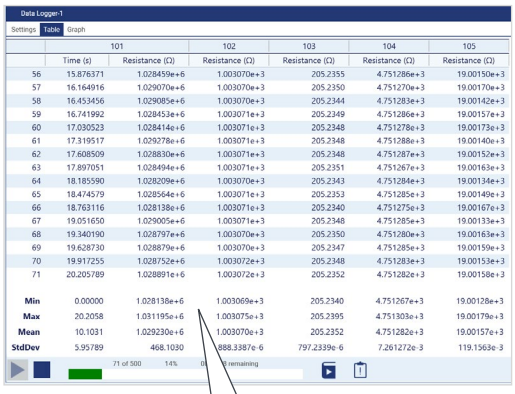
- Device characterization: Characterize materials and discrete components and verify design of electronic modules.
- Datalogging: Reliably log data to the PC; useful for testing device compliance to regulatory or industrial standards.

Tektronix®

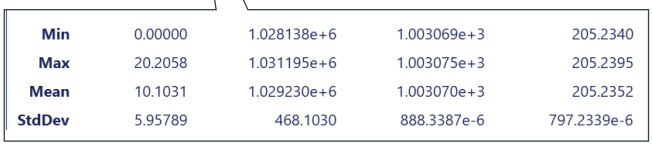
Minimized Time to Results

Connect your instrument to your PC and have KickStart discover your instrument in seconds. KickStart supports instruments connected using GPIB, LAN, and USB interfaces. With a simple drag of the mouse, launch an app to control and collect data from an instrument. KickStart can collect millions of readings from each instrument, which makes it a great solution for your long-term datalogging needs and for capturing a lot of data from transient events with a digitizing DMM. KickStart presents the data in tabular and graphical formats. In the table, KickStart presents a statistical summary of the data in each column. You can hide non-essential data, and the statistics automatically update to reflect only data visible in the table. This can be quite useful for applications in which you want to monitor devices after they have reached thermal stabilization.

KickStart provides a test solution even when your tests involve the control of multiple instruments. One of the largest enhancements for KickStart Version 2.0 is the control of multiple instruments through a single interface. You can launch and run up to eight apps at the same time. You can see results from multiple instruments in a single easy-to-view format.



View data in the reading table in an easy to read format. Hide rows or columns to show only relevant data

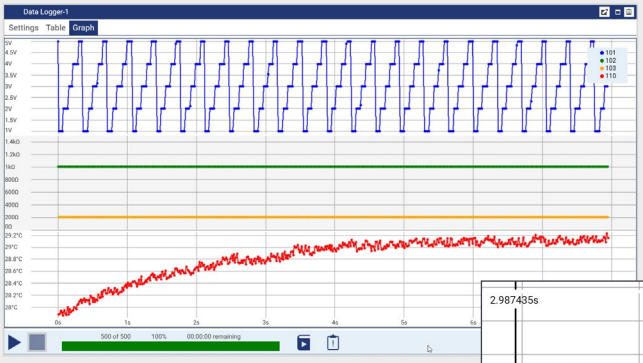


KickStart calculates basic statistics for each column of data visible in the table.

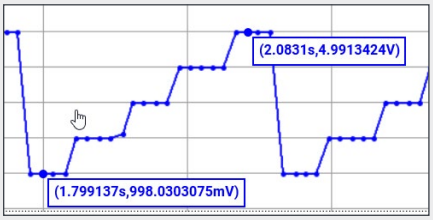
KickStart quickly discovers all connected instruments and allows you to create tests and view data even when instruments are not connected to the PC.

Faster Insights into Data

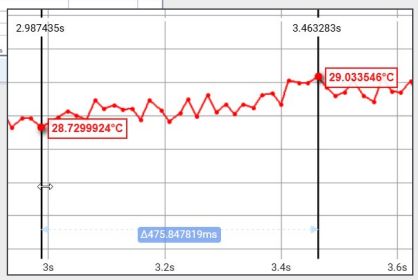
KickStart plots your data immediately so that you can quickly discover anomalies or trends and make the needed decisions to get you to the next phase of development of your material, device, or module. Getting insights quickly is most important, so a large portion of the viewing area is dedicated to the graph. There are built-in tools to compare and overlay data from previous test runs. You can mark or highlight points of interest in the graph and use cursors to view detail on multiple data series at once.



Data always gets prime focus in KickStart. Use the graph to discover measurement trends or anomalies.



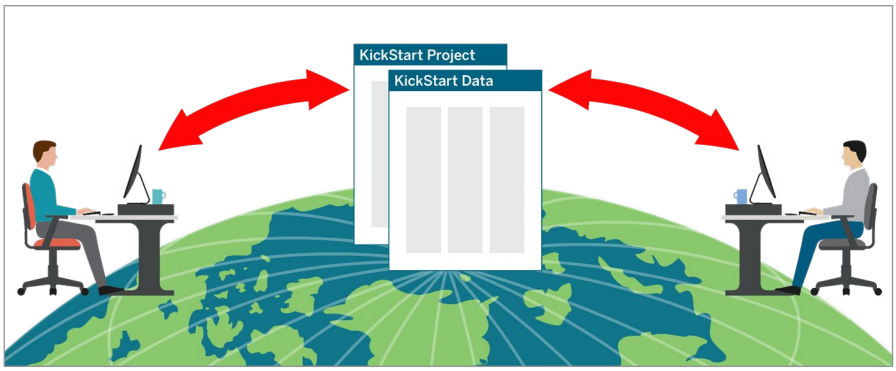
Use markers to highlight points of interest on the graph.



Use cursors to get information on multiple data series or to calculate differences on the horizontal scale.

Peace of Mind. Confidence. Reliability.

Proving that your device or module complies with industrial and regulatory standards is an important part of ensuring that your device or electronic module will meet your customer's requirements. Safe archival of test data is essential in compliance testing. KickStart streams data from the instrument to PC storage media, so, even in the event of power outage, your data is preserved.



Save tests and share data for easy collaboration between multiple development sites.

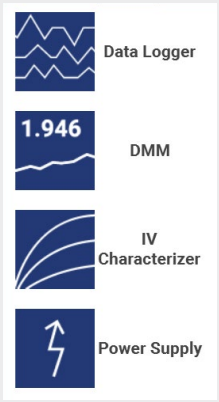
Additionally, you can save any test project that you create to re-use later or to share with others. This allows you to replicate tests easily at other locations, which is essential when you work on a global development team.

KickStart even allows you to prepare your tests using simulated instruments so that you are ready to test once the actual instrument arrives. You can quickly swap the actual instrument in your test configuration later. The use of simulated instruments also allows offline viewing of the data and test setup.

Available KickStart Apps

Base KickStart Apps

KICKSTARTFL-BASE includes four apps to control your SourceMeter® SMU Instrument, DMM, data logger, or power supply.



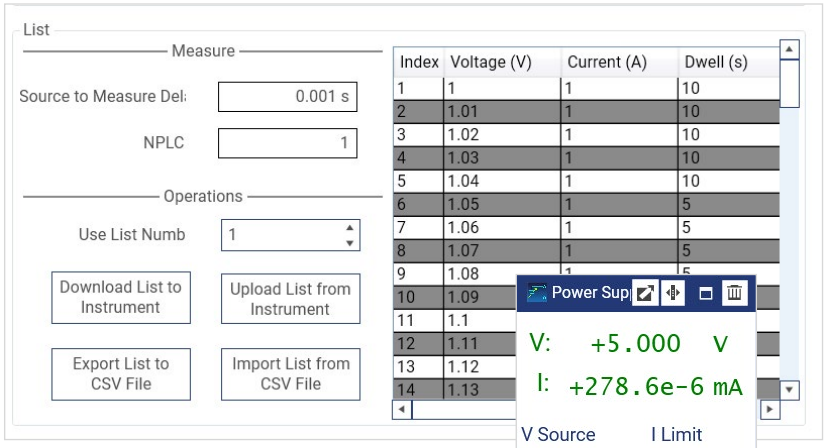
Premium Apps

KICKSTARTFL-HRMA is an optional app for KickStart Software that allows you to make insulation resistivity measurements with the 6517B Electrometer/ High Resistance Meter and the 8009 Resistivity Test Fixture.

Power Supply App

This app simplifies supplying power to your device or system.

- Quickly set up automated tests using bias or list sweep mode.
- Interactively control bias conditions while monitoring measurements on another instrument.
- Use along with the Precision Multimeter App for application such as power consumption analysis or monitoring load current stability.
- Supports Keithley 2280S-32-6 and 22380S-60-3 Precision Measurement DC Power Supplies.



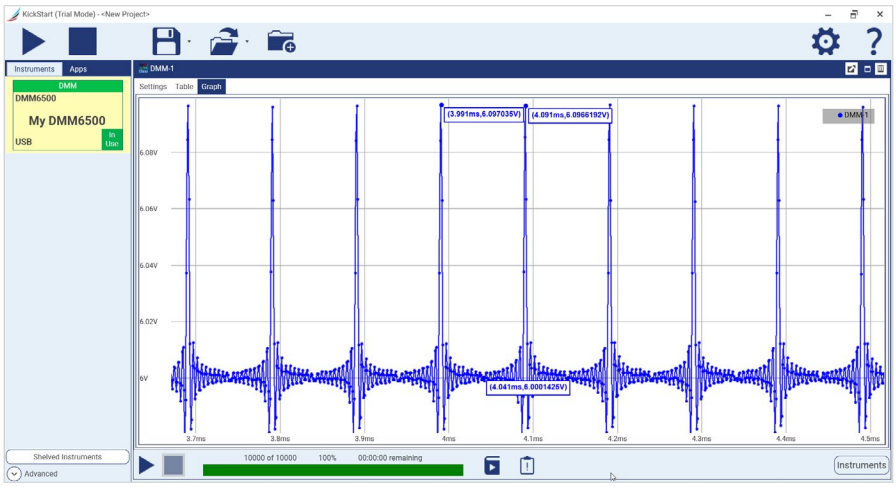
Create and download list sweeps of up to 99 points on the power supply.

View and set the most essential parameters on the power supply in KickStart's minimized view.

Precision Multimeter App

This app affords you a simple way to log data using your Keithley DMM.

- Automate long-term datalogging.
- Plot and inspect waveforms from the digitizer built into the DMM.
- Trigger digitizer on digital events or programmed analog levels.
- Supports Keithley DMM7510 7½-Digit and DMM6500 6½-Digit DMMs and DAQ6510 Data Acquisition and Logging Multimeter System.



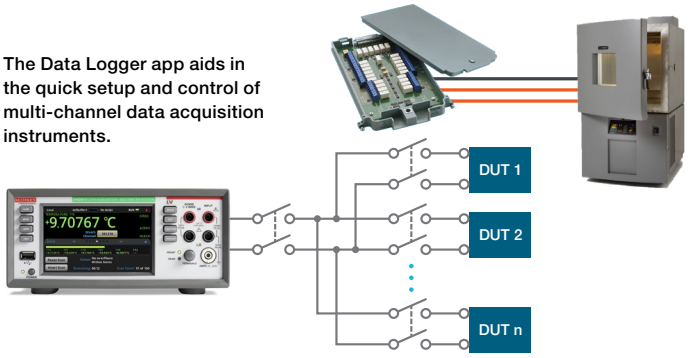
Capture waveforms with the DMM6500 Digitizing DMM using KickStart's Precision Multimeter App.

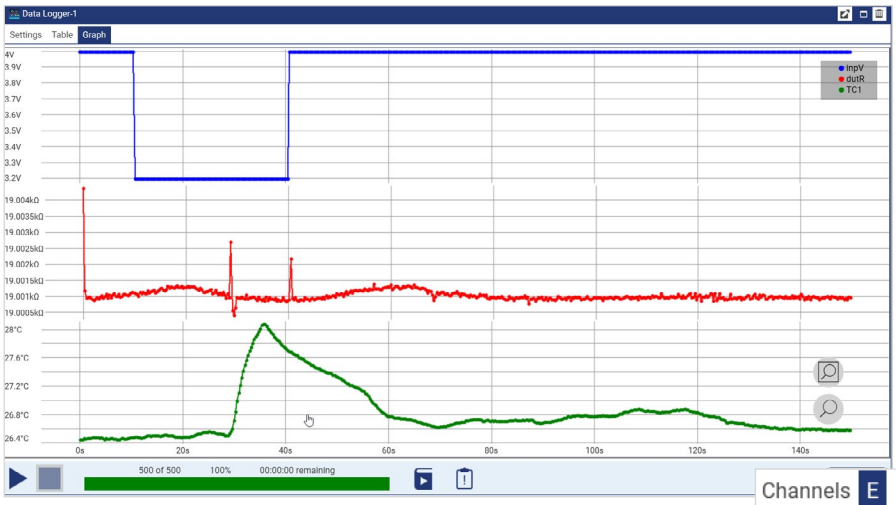
Data Logger App

Use the KickStart Data Logger App to set up and control your multi-channel data acquisition instrument. This app is designed to help you configure all your channels very quickly and even validate your connections during test configuration. It allows you to set up multiple channels with the same configuration but give each channel a meaningful label so that you can quickly scan your results and grab the information you need. Configure pass/fail limits for each channel in order to set alarm conditions and obtain quick visual verification of test results.

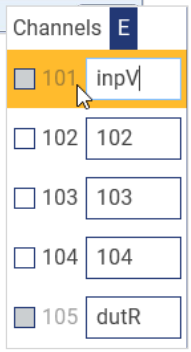
- Stream millions of readings to PC storage media for safe data archival.
- View multiple measurement functions in a single data window using stacked graphs.
- Plot measurement data versus another channel or versus time.
- Export data in ready-to-use formats for reports and additional analysis even while the test is running.
- Supports Keithley DAQ6510, DMM6500 (with scan card), 2700, 2701, and 2750.

The Data Logger app aids in the quick setup and control of multi-channel data acquisition instruments.





Plot and view multiple channels in a single graph with KickStart's Data Logger App.

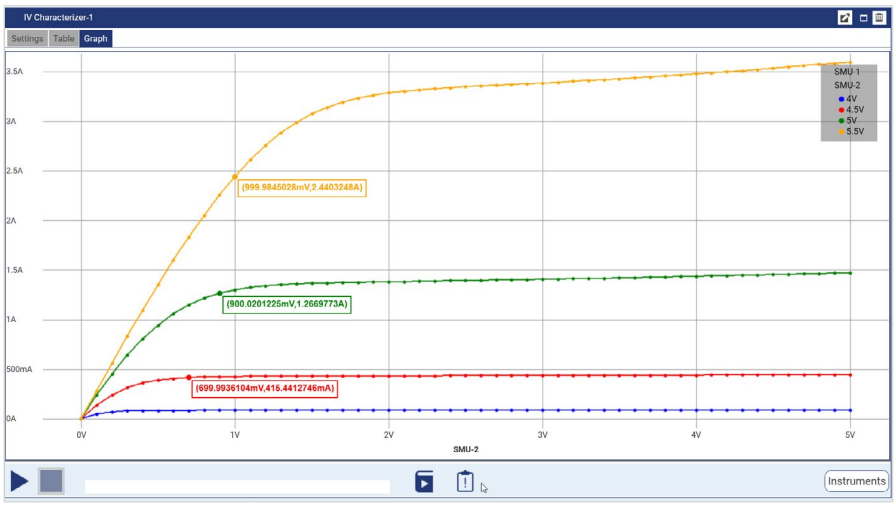


Create personalized labels for each channel of your data logging switch card.

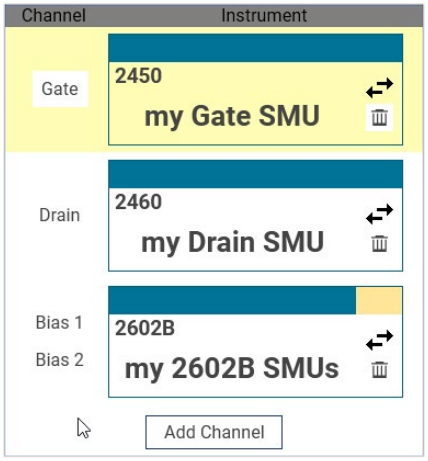
I-V Characterizer App

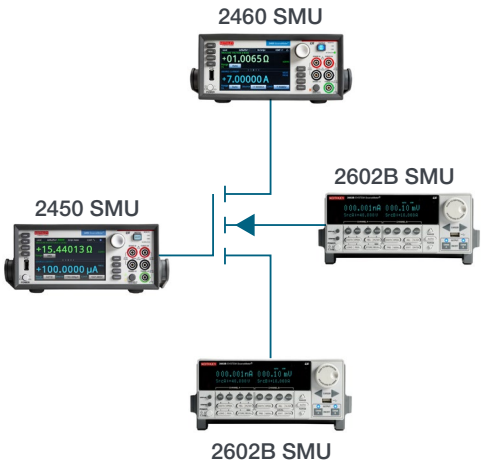
Use the I-V Characterizer App to perform current vs. voltage (I-V) test on a variety of materials, two-terminal and multi-terminal semiconductor devices, solar cells, and much more. You can configure each SMU for a variety of bias and sweep sourcing operations, including linear, log, list, and dual sweeps.

- Configure and control up to four SourceMeter SMU instruments with independent sweeps or multi-level sweeps.
- Differentiate SMU instrument channels and their measurement data using labels that are relevant to your device or module.
- Use built-in comparison tools to compare and overlay multiple test runs in a single graph.
- Create tests by mixing any of these SMU instruments: Series 2400, Series 2600B, and 6430 SourceMeter SMU Instruments.



Create current vs. voltage characteristics for 2-terminal, 3-terminal, and 4-terminal devices.





Characterize devices using up to four of Keithley's SourceMeter SMU instruments.

Download the latest version of KickStart today from www.tek.com/keithley-kickstart.

KickStart allows you to create tests and view, manipulate and export data without a license. To communicate with and control an instrument, KickStart requires a license. KickStart installs with a one-time 90-day trial license. Visit tek.com to get a quote for KICKSTARTFL-BASE, a floating license that unlocks all the base KickStart apps, A floating license allows selected users to manage transfer of individual license files to different PCs. License management is done through the Tektronix Asset Management System (TekAMS).

For more info on TekAMS, visit https://www.tek.com/products/product-license. Each valid license entitles you to unlimited support by Tektronix' worldwide technical support centers and field applications engineers.

Recommended System Requirements

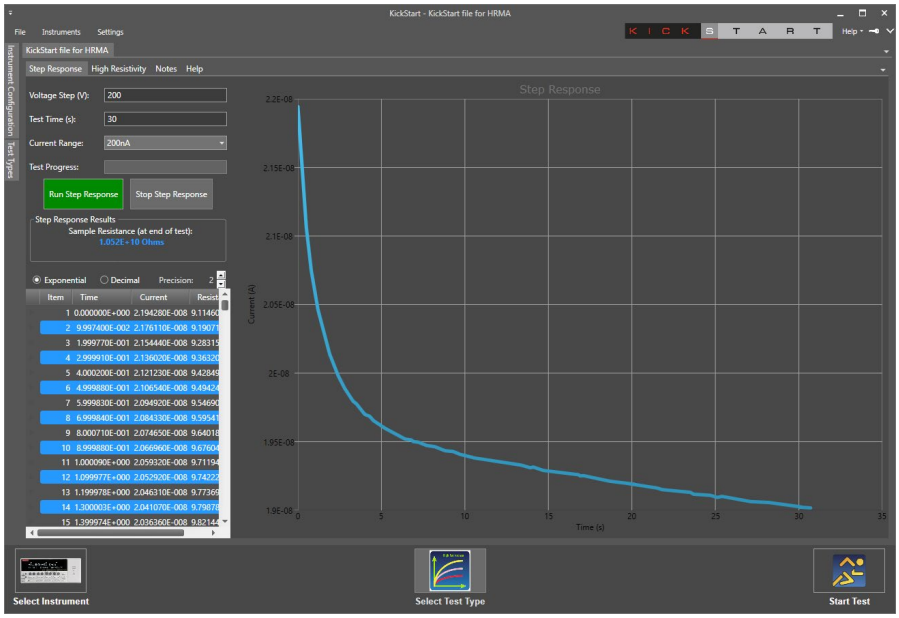
- CPU: Dual-core processor 2 GHz or better
- Memory: 8GB RAM
- Disk Drive: 8GB of free space
- Windows 10, 8, 7 64-bit
- PC disk space required: 1 GB
- Instrument communication interfaces: USB, GPIB, LAN
- Display resolution: Minimum 1920×1080 recommended

Optional High Resistivity Measurement Premium Application (KICKSTARTFL-HRMA)

KickStart's High Resistivity Measurement Application allows for reliable insulator resistivity measurement according to ASTM D257 standard. This app is designed for use with Keithley's 6517B Electrometer/High Resistance Meter. The 6517B along with the 8009 Resistivity Test Fixture is a laboratory standard for volume and surface resistivity measurements on insulating materials.

The KickStart High Resistance Measurement Option makes it easier for you to:

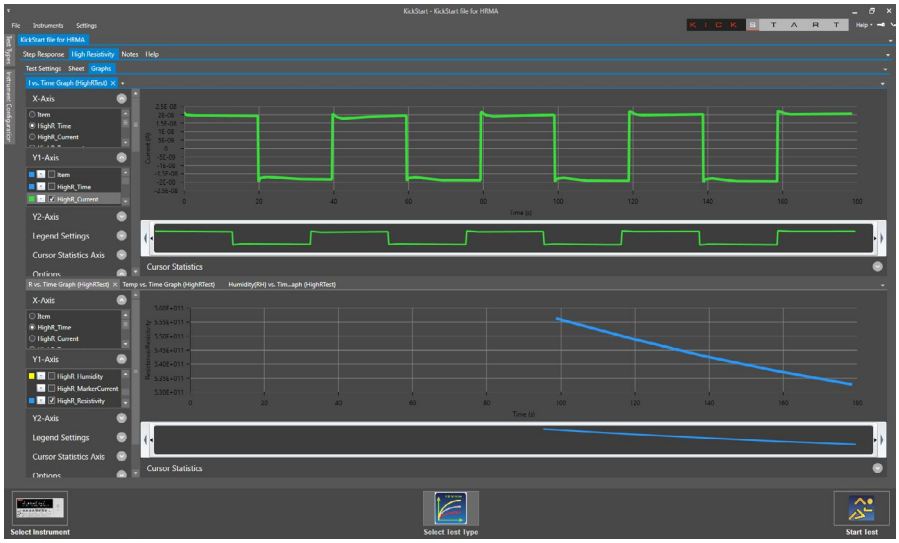
- Perform a Step Response Test to identify electrification time appropriate to the material's time constant.
- Observe resistivity dependence on temperature and relative humidity of environment using optional probes 6517-TP and 6517-RH.
- Use the alternating polarity measurement technique to eliminate inherent background currents for the most accurate resistivity measurements.



Use the Step Response Test to identify appropriate electrification time.

Licensing Information

The KickStart High Resistivity Measurement Application requires the KICKSTARTFL-HRMA floating license. A floating license allows selected users to manage transfer of individual license to different PCs. This app requires installation of KickStart version 1.9.8. It is not yet compatible with KickStart 2.0. Please visit http://www.tek.com/keithley-kickstart to download KickStart version 1.9.8 and request a 30-day trial of the KICKSTARTFL-HRMA license.



Hi-R test using the alternating polarity technique to improve accuracy in insulation resistance measurements.

System Requirements for KICKSTARTFL-HRMA

- Windows 10, 8, 7 32-bit or 64-bit
- Processor: 1 GHz or faster (2 GHz or greater recommended)
- RAM: 1 GB (32-bit) or 2 GB (64-bit) (4GB or greater recommended)
- Disk drive space required: 600 MB
- Instrument communication interfaces: GPIB (for 6517B)
- Display resolution: Minimum 1024×768

Learn More about KickStart

Visit www.tek.com/keithley-kickstart for the latest information about KickStart.

For questions, please visit Tektronix Technical Forums at http://forum.tek.com or contact your local Tektronix sales office noted on the back of this datasheet.

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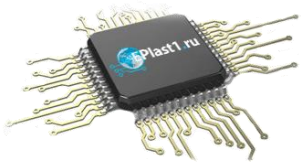
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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