



Vs.



Keithley SMU Instruments: The Smarter Alternative

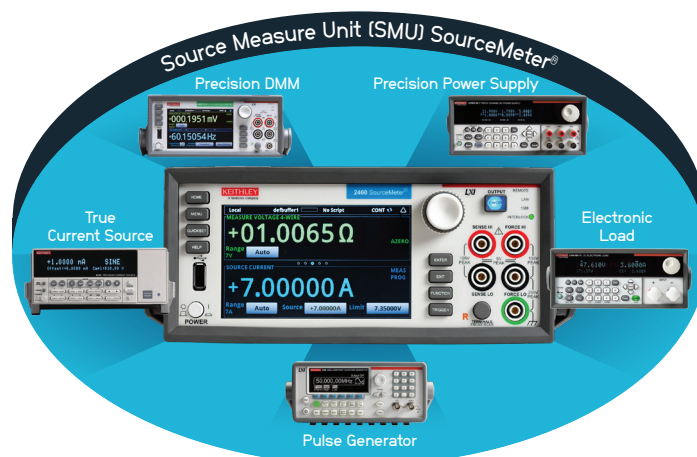
Too often making electrical measurements of devices or materials involves the time-consuming and error-prone juggling of individual instruments: a digital multimeter, power supply or electronic load and more.

Keithley SourceMeter® Source Measure Unit (SMU) instruments provide a smarter alternative. Only the SMU instrument gives you a full picture of a device's performance. For example, its built-in sweep capability allows you to go from negative to positive (or the opposite) without the need to reverse test leads. That not only saves you time, it also eliminates a potential source of inaccuracies.

The Five-In-One Tool

Every Keithley SMU instrument is a five-in-one tool, combining in a single instrument features of a digital multimeter (DMM), power supply, current source, electronic load and pulse generator. You can use one to:

- Precisely source and measure voltage and/or current at the same time – synchronization is built-in
- Measure resistance vs. current/voltage – directly or indirectly
- Source and measure across a very broad range of current (100 aA to 50 A) and voltage (100 nV to 3 kV) with 6½ digits of measurement resolution
- Save money by purchasing a single SMU to do the work of up to five other instruments, and also realize savings both on calibration as well as time spent in setup.



Equally at Home on the Bench or in the Test Rack

Keithley SMU instruments are bench instruments and can also be racked for production testing.

BENCHTOP USERS ENJOY:

- Ultra-low level sample characterization with confidence
- Easy connection to various test fixtures or probing systems with standard connectors (banana, triax) and cables
- Easy-to-use touchscreen models for a fast learning curve
- A multi-purpose instrument that saves money and time, yet still offers high precision

TEST RACK USERS APPRECIATE:

- Multi-channel models and TSP-Link expansion networking for parallel testing without a mainframe
- User written TSP Script programs run in the instrument to enable fast throughput
- Digital I/O for control of external hardware
- Test system speeds that are up to 60% faster with up to 10X more throughput

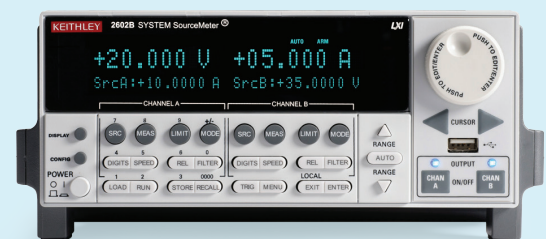
Learn about Keithley Source Measure Unit instruments at: www.tek.com/smu

Following are two of the 20+ models to choose from.



Best Lab SMU – Model 2450

The intuitive touchscreen interface is well-suited for expert and occasional user alike, and provides I-V curve tracing capability. Front and rear panel connections add to its versatility.



Most Popular for ATE – Model 2602B

Two channels of sourcing and measurement at 40W /channel. TSP® (Test Script Processing) embedded test programs on instrument for fast system-level speed. True multi-channel parallel test via TSP Link.

