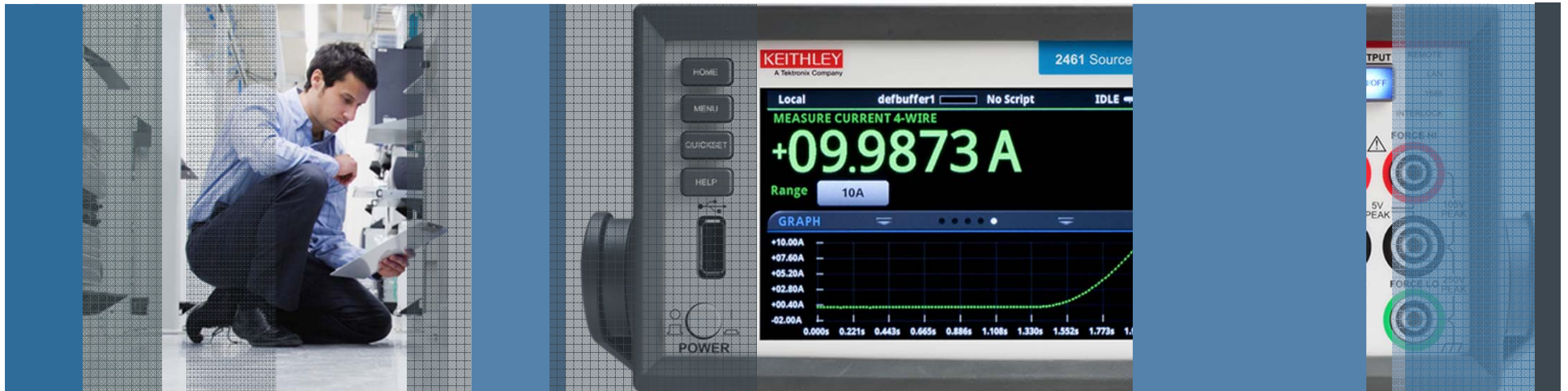


Touch Test Invent Source Measure Units Model 2461 Product Fact Sheet

Model 2400 Graphical SourceMeter Series



Touch, Test, Invent®

Model 2461 Interactive SourceMeter SMU Instrument

Touch, Test, Invent[®]



Learn Faster, Work Smarter, Invent Easier

- 10A / 1000W Pulse, 7A DC / 100Watt Source/Sink
- Dual 18-Bit 1MS/s I and V digitizers
- 5-inch Capacitive Touchscreen Interface
- Intuitive User Experience

Features

- Wide coverage up to 105V / 7A dc 100W and 100V / 10A Pulse 1000W max.
- Dual 1MS/s 18-bit digitizers for fast sampling measurements
- 0.012% basic measure accuracy with 6½-digit resolution
- Front panel input banana jacks; rear panel mass termination screw connector
- Front panel USB memory port for data/programming/configuration I/O

Benefits

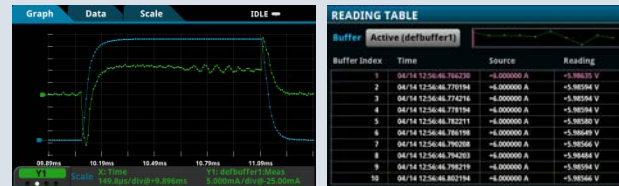
- Observe and characterize real device behaviors
- Overcome the effects of device self heating.
- Eliminate need for multiple instruments
- Reduced cost of test

5-inch Advanced Touchscreen Graphical Interface



Home View

Menu View



Graph View

Table View

- Four “Quickset” modes for fast setup and measurement
- Context-sensitive front panel help
- Minimal learning curve for new instrument users
- Better productivity for experienced users

Learn Faster • Work Smarter • Invent Easier

Typical Applications

Ideal for current/voltage (I/V) characterization and functional test of a wide range of today's modern electronics and devices, including:



High Brightness LEDs



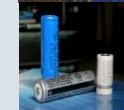
Circuit Protection Devices



Power Semiconductors



Solar Cells



Rechargeable Batteries



Power Management



Electrochemistry

Model 2461 Interactive SourceMeter SMU Instrument

Condensed Specifications – 100V, 10A, 1000W Pulse SMU

DC Voltage Specifications

Range	Source			Measure		
	Max. DC Current	Resolution	Accuracy (23°C ±5°C) 1 Year +/- (% setting + volts)	Resolution	Input Resistance	Accuracy (23°C ±5°C) 1 Year +/- (% reading + volts)
200.0000mV	7.35A	5 µV	0.015 % + 200 µV	100 nV	> 10 GΩ	0.012 % + 200 µV
2.000000 V	7.35A	50 µV	0.015 % + 300 µV	1 µV	> 10 GΩ	0.012 % + 300 µV
7.000000 V	7.35A	250 µV	0.015 % + 2.4 mV	1 µV	> 10 GΩ	0.015 % + 1 mV
10.000000 V	5.25A	500 µV	0.015 % + 2.4 mV	10 µV	> 10 GΩ	0.015 % + 1 mV
20.000000 V	4.20A	500 µV	0.015 % + 2.4 mV	10 µV	> 10 GΩ	0.015 % + 1 mV
100.0000 V	1.05A	2.5 mV	0.015 % + 15 mV	50 µV	> 10 GΩ	0.015 % + 5 mV

DC Current Specifications

Range	Source			Measure		
	Max. Voltage	Resolution	Accuracy (23°C ±5°C) 1 Year +/- (% setting + amps)	Resolution	Voltage Burden	Accuracy (23°C ±5°C) 1 Year +/- (% reading + amps)
1.000000 µA	105V	50 pA	0.025 % + 1 nA	10 pA	< 100 µV	0.025 % + 700 pA
10.00000 µA	105V	500 pA	0.025 % + 1.5 nA	10 pA	< 100 µV	0.025 % + 1 nA
100.0000 µA	105V	5 nA	0.020 % + 15 nA	100 pA	< 100 µV	0.020 % + 10 nA
1.000000 mA	105V	50 nA	0.020 % + 150 nA	1 nA	< 100 µV	0.020 % + 100 nA
10.00000 mA	105V	500 nA	0.020 % + 1.5 µA	10 nA	< 100 µV	0.020 % + 1 µA
100.0000 mA	105V	5 µA	0.020 % + 15 µA	100 nA	< 100 µV	0.020 % + 10 µA
1.000000 A	105V	50 µA	0.050 % + 750 µA	1 µA	< 100 µV	0.050 % + 500 µA
4.000000 A	21V	250 µA	0.100 % + 3 mA	1 µA	< 100 µV	0.100 % + 2.5 mA
5.000000 A	10.5V	250 µA	0.100 % + 3 mA	1 µA	< 100 µV	0.100 % + 2.5 mA
7.000000 A	7.35V	500 µA	0.150 % + 6 mA	1 µA	< 100 µV	0.150 % + 5 mA

- 10A / 100V 1000W Pulse Power, 150µs pulse width
- LXI, USB2.0, GPIB, LAN, TSP-Link® and digital I/O Interfaces are supported.
- Model 2461 SCPI and TSP® script modes
- USB 2.0 port (memory I/O) on front panel for data import/export and system upgrades

Refer to www.tektronix.com for additional product details, complete specifications, application notes, software, videos, product tours.

Ordering Information

2461	100V, 10A, 1000W SourceMeter Instrument
2461-NFP	100V, 10A, 1000W SourceMeter Instrument, with No Front Panel
2461-RACK	100V, 10A, 1000W SourceMeter Instrument, without Handle
2461-NFP-RACK	100V, 10A, 1000W SourceMeter Instrument, with No Front Panel and No Handle

Accessories Supplied

2460-KIT	Rear Panel Mating Mass Terminated Screw Connector
8608	High Performance Test Leads
USB-B-1	USB Cable, Type A to Type B, 1m (3.3 ft.)
CS-1616-3	Safety Interlock Mating Connector
CA-180-3A	TSP-Link/Ethernet Cable
Documentation CD	
2460 QuickStart Guide	
Test Script Builder Software (www.tektronix.com)	
KickStart Startup Software (www.tektronix.com)	
LabVIEW and IVI Drivers (www.tektronix.com)	

Recommended Services

2461-3Y-EW	1-year factory warranty extended to 3 years from date of shipment
2461-5Y-EW	1-year factory warranty extended to 5 years from date of shipment



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