

REDUCE DAMAGE TO VCSELS AND PROBE EQUIPMENT

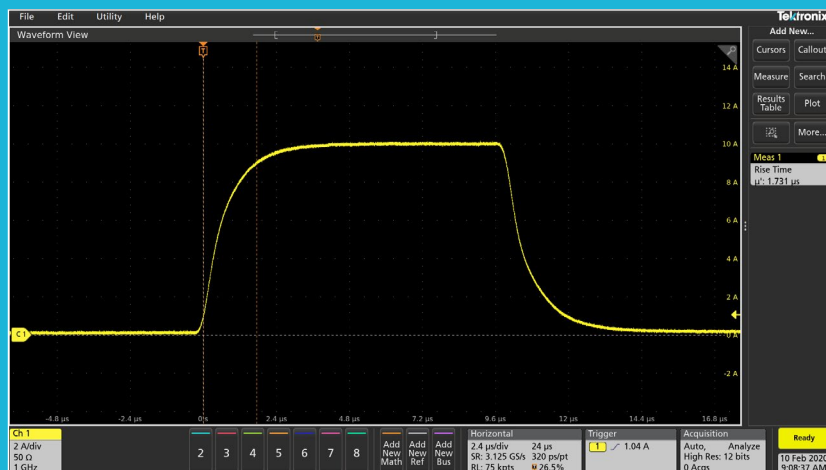
Introducing the 2601B-PULSE 10 μ s Pulser/SMU Instrument

- Enjoy peace of mind by avoiding device self-heating issues when testing valuable devices as high as 10 A.
- Source 10 μ s, 10 A current pulses with rise times <1.7 μ s with no manual tuning.
- Enjoy confidence that pulse overshoot and ringing won't impact your test with loads up to 3 μ H.



KEITHLEY
A Tektronix Company

Superior Current Pulse Output Performance at 10 A @ 10 V at 10 μ s

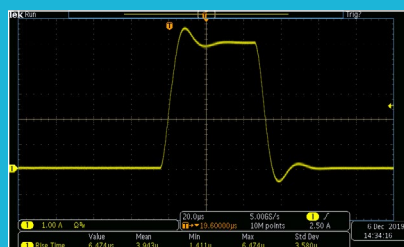


FEATURES

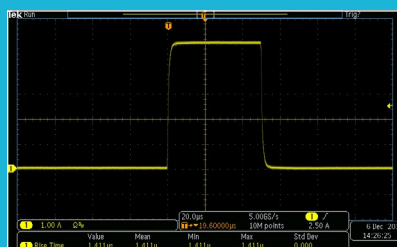
- Industry leading source measure unit with PulseMeter™ technology for 10 A @ 10 V, 10 microsecond pulse output
- No tuning required for inductive loads up to 3 μ H
- Dual 1 Megasample/sec digitizers for high speed I/V pulse measurements (Pulser function only)
- DC capability up to ± 40 V @ ± 1.0 A, 40 Watt
- TSP® (Test Script Processing) technology embeds complete test programs inside the instrument for best-in-class system-level throughput

BENEFITS

- Minimize device self-heating; minimize burned probe tips
- No tuning of pulse output to ensure pulse fidelity and test with confidence
- Save time and money by making DC/pulse voltage and current measurements with a single instrument



Typical pulse output from a competitive SMU with overshoot and 6.47 μ s rise time.



2601B-PULSE output without overshoot and 1.4 μ s rise time.

“The 2601B-PULSE one-box unit gives exactly what our customers need for measuring high current output, low current sensitivity and short pulse solutions with significantly less damage to both DUTs and probe tips.”

– Product development manager of a global prober company



The new 2601B-PULSE System SourceMeter 10 μ s Pulser/SMU Instrument with PulseMeter™ technology is an industry-leading high current/high speed pulser with measure plus the full functionality of a traditional SMU. This new pulser offers leading 10 A current pulse output at 10 V with a pulse width minimum of 10 μ s, perfect for testing vertical cavity surface emitting lasers (VCSEL) used in LIDAR and facial recognition, LEDs for lighting and displays, semiconductor device characterization, surge protection testing, and so much more.

The 2601B-PULSE's control loop system eliminates the need to tune for load changes up to 3 μ H so that your pulse has no overshoot and ringing when outputting

pulses from 10 μ s up to 500 μ s at a current up to 10 amps. This ensures a fast rise time, so your devices are sourced with a current pulse to properly characterize the device or circuit.

The pulser's built-in dual 1 Megasample/second (MS/s), 18-bit digitizers make it possible to acquire both pulse current and voltage waveforms simultaneously without the need to use a separate instrument.

The 2601B-PULSE is a powerful solution that significantly boosts productivity in applications ranging from benchtop characterization through highly automated pulsed I-V production test.

Refer to tek.com/smu-2601b-pulse-sourcemeter for additional product details, complete specifications, application notes, software, videos, product tours and more.



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