

KEITHLEY

2636B

The Keithley 2636B is a dual-channel System SourceMeter (SMU) designed for high-precision I-V characterization and testing. As part of the 2600B series, it features industry-leading low current sensitivity with a 100 pA measurement range and 0.1 fA resolution, making it ideal for semiconductor and advanced materials testing. It includes built-in Test Script Processor (TSP) technology for high-throughput automated testing without PC intervention.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488.2), USB 2.0 (Host and Device), LAN (LXI Core 2011), RS-232
Display	Dot matrix Vacuum Fluorescent Display (VFD)
Warranty	1 year

Physical

Power Supply	100 V to 240 V AC, 50 Hz / 60 Hz, 250 VA max
Operating Temperature	0 to 50 °C
Weight	5.5 kg

General Features

Number of Channels	2
Display Resolution (Digits)	6.5 digits

Voltage Source Specifications

Voltage Ranges	200 mV, 2 V, 20 V, 200 V
Maximum Output Voltage	200 V

Current Source Specifications

Maximum Output Current	1.5 A DC (10 A Pulse)
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Pulse Specifications

Maximum Pulse Current	10 A
Maximum Pulse Voltage	200 V

System Speeds and Timing

Maximum Reading Rate to Memory	20,000 readings/s
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Interfaces and Connectivity

Expansion Bus	TSP-Link (up to 32 nodes)
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Software and Control

Embedded Scripting Language	TSP (Test Script Processor)
Web Interface	Built-in LXI web page

Environmental and Safety

Calibration Cycle	1 year
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Power and Physical

Form Factor / Rack Units	2U, half-rack
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General Specifications

Maximum Power Consumption	250 VA
Warm-up Time	2 hours to rated accuracies

Performance

Maximum Common Mode Voltage	250 V DC (from any terminal to earth)
Minimum Voltage Source Resolution	5 μ V
Remote Sense	2-wire or 4-wire configurations

Capabilities

Sweep Types	Linear, Logarithmic, Custom list
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Software & Control

LXI Compliance	LXI Core 2011 (Version 1.4)
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Environmental

Storage Temperature	-25 °C to 65 °C
Operating Altitude	Up to 2000 m
Cooling	Forced air, side intake and rear exhaust

Inputs & Outputs

Connector Type	3-lug triaxial (rear panel)
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Compliance

Safety Standards	EN 61010-1, UL 61010-1
EMC Compliance	EN 61326-1

TECHNOLOGY

Test Script Processor (TSP)

APPLICATIONS

I-V Characterization, Semiconductor Test, High-Sensitivity Measurement

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.