

KEITHLEY

2410

The Keithley 2410 is a High-Voltage SourceMeter (SMU) designed for precision testing of high-voltage components and materials. It offers 20 W of output power and can source and measure up to 1000 V and 1 A, featuring true 4-quadrant source and sink capabilities combined with a 5½-digit measurement resolution.

SPECIFICATIONS

General

Interfaces	GPIO (IEEE-488), RS-232
Display	Vacuum Fluorescent Display (VFD)
Warm-up Time	1 hour to rated accuracies
Number of Channels	1

Physical

Operating Temperature	0°C to 50°C °C
Dimensions (W×H×D)	213 × 89 × 370 mm
Weight	3.21 kg
Cooling	Convection
Form Factor	2U, half-rack width

Voltage Source Specifications

Maximum Output Voltage	±1000 V
Maximum Output Power	20 W

Current Source Specifications

Maximum Output Current	±1 A
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Performance Specifications

Resolution	5½ digits
Quadrant Operation	4-Quadrant (Source and Sink)

Connectivity and Interfaces

Trigger I/O	Keithley Trigger Link
Digital I/O	Yes

Software and Control

Programming Command Set	SCPI
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Environmental

Storage Temperature	-25°C to 65°C
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Performance

Basic DC Voltage Accuracy	0.012%
Source Delay	0 to 9999.999 s
Source Functions	DC Voltage, DC Current
Measurement Functions	DC Voltage, DC Current, Resistance
Voltage Ranges	±200 mV, ±2 V, ±20 V, ±1000 V
Sweep Modes	Linear Staircase, Logarithmic Staircase, Custom List, Source-Memory

Inputs & Outputs

Common Mode Isolation	250V DC
Measurement Connections	2-wire (local), 4-wire (remote), and Guard

Features

Limit Testing	Built-in Pass/Fail comparator
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TECHNOLOGY

Source Measure Unit (SMU)

APPLICATIONS

High Voltage Device Characterization and Test

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