

KEITHLEY

220

The Keithley 220 is a programmable current source capable of sourcing currents from a 2 nA full range up to 100 mA. It features an adjustable voltage compliance of up to 105 V, an onboard memory supporting up to 100 storage points, and a standard IEEE-488 interface for remote automated testing and measurement.

SPECIFICATIONS

General

Interfaces	IEEE-488
Display	LED
Warm-up Time	1 hour to rated accuracy

Physical

Operating Temperature	0 to 50 °C °C
Dimensions (W×H×D)	216 × 127 × 359 mm
Weight	3.2 kg kg

Current Source Specifications

Maximum Output Current	100 mA
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Voltage Compliance

Maximum Compliance Voltage	105 V
Compliance Resolution	1 V

Control, Triggering & Memory

Memory Locations	100
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Inputs & Outputs

Output Connector	Triaxial
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Performance

Programmable Dwell Time	3 ms to 999.9 s
Output Polarity	Bipolar (Positive and Negative)
Number of Current Ranges	9 (decade ranges)
Current Range Scales	1 nA to 100 mA full scale
Compliance Voltage Range	1 V to 105 V
Output Resistance	> 10 ¹⁴ Ω (on 1 nA to 10 μA ranges)

Programming & Control

Dwell Time Range	3 ms to 999.9 s
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Connectivity

IEEE-488 Standard	IEEE-488-1978
Guarding	Active guard output via rear panel Triax

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