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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6131C DC Power Supply

The Agilent / HP 6131C is a precision digital voltage/current source in the HP digitally programmed supply family. Period HP 6131 documentation describes bipolar voltage and current sourcing with digital programming for automated component and semiconductor test. Automated bias sourcing, semiconductor device stimulation, and precision voltage/current programming in HP-IB ATE systems. Instrument Type: digital voltage current source Interface: digital programming HP-IB class Agilent HP 6131C Digital Voltage Current Source The Agilent / HP 6131C is a precision digital voltage/current source in the HP digitally programmed supply family. Period HP 6131 documentation describes bipolar voltage and current sourcing with digital programming for automated component and semiconductor test. Automated bias sourcing, semiconductor device stimulation, and precision voltage/current programming in HP-IB ATE systems. Instrument Type: digital voltage current source



MODEL

**Agilent / Keysight
6131C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6131C

LISTING

<https://aumictechlabs.com/products/6131c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6131C is a precision DC power supply delivering up to 50 W of stable, programmable output voltage. Engineered as a digital voltage source for automatic test systems, it combines high accuracy with remote control capabilities and excellent line and load regulation. The instrument operates across a ± 100 Vdc range with output current to 0.5 A, making it suitable for demanding measurement and characterization tasks in laboratory and production

environments. Technical Specifications Output Voltage Range: ± 100 Vdc Accuracy ($23^{\circ}\text{C} \pm 3^{\circ}\text{C}$, 115 Vac input, 30 min warm-up): 1 mV (X1 range), 10 mV (X10 range) Range switching time: 2 msec Output Current Range: 0 to 0.5 A Load regulation: 4 mV voltage change, 0.5 mA current change Regulation & Stability Line regulation (104–126 Vac): 500 μV (X1), 5 mV (X10) Ripple and noise (20 Hz to 20 MHz): 0.5 mV RMS 8-hour stability: Input signal stability + 500 μV (X1), + 5 mV (X10) DC gain: $-1 \pm 0.2\%$ (X1), $-10 \pm 0.2\%$ (X10) Sink Current Compliance Linear from 0.25 A at 100 V to 0.55 A at 0 V Bandwidth X10 range: Approximately 25 kHz to -3 dB point Key Features Programmable voltage settings with two selectable ranges for precision control Remote programming via isolated digital inputs Built-in GPIB and RS-232 interfaces for system integration Fully isolated analog outputs and digital control circuits Class I safety classification with protective earth grounding Compact form factor: 16 × 14 × 10 in, 8.2 kg Typical Applications Automatic test equipment (ATE) and characterization systems Device testing requiring stable, programmable bias supplies Precision measurement and calibration work Production test environments requiring remote control and repeatability Compatibility & Integration Designed for seamless integration into automated systems. GPIB and RS-232 communication enable remote voltage programming and system monitoring. Dual voltage ranges (X1 and X10) provide flexibility across different output specifications. Maximum operating altitude: 2000 m; relative humidity to 95%.

6131C Characteristics / Specifications

PARAMETER	VALUE
Model	6131C
Instrument Type	digital voltage current source
Manufacturer	HP Agilent Keysight
Interface	digital programming HP-IB class
Output	voltage and current source
Polarity	bipolar class
Form Factor	system power source
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
Humidity Class	non condensing
Display	programmed output display
Duty	continuous
Grounding	floating output class
Cooling	forced air
Mass Class	half rack
Calibration	V/I cal
Safety	instrument safety
Remote	digital remote program
Accuracy Class	precision source accuracy
Resolution Class	digital programming resolution
Compliance	V and I compliance limits
Protection	overload protection
Sense	remote sense class
Stability	low drift source class

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Humidity	Class: non condensing

6131C Specifications

PARAMETER	VALUE
Agilent HP 6131C Digital Voltage Current Source	Overview
Applications	Automated bias sourcing, semiconductor device stimulation, and precision voltage/current programming in HP-IB ATE systems.
Key Features	Digitally programmed V/I source
Bipolar output class	HP-IB remote programming
Technical Specifications	Model: 6131C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Operating Temperature	Class: 0 C to 55 C
Humidity	Class: non condensing
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
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Calibration	V/I cal
Safety	instrument safety
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Accuracy Class	precision source accuracy
Resolution Class	digital programming resolution
Compliance	V and I compliance limits
Protection	overload protection
Sense	remote sense class
Stability	low drift source class Notes Identity from Agilent/Keysight 6131C DC Power Supply / digital source listings. Exact voltage and current ranges are in the HP 6131C manual.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

Identity from Agilent/Keysight 6131C DC Power Supply / digital source listings. Exact voltage and current ranges are in the HP 6131C manual.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.