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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U1194A Clamp Meter 600A with IR

Dimensions WxHxD: 77.1 mm x 238.0 mm x 38.6 mm Measurement Rate ACV DCV: approximately 3 readings per second Overload Protection Voltage: 600 Vrms class Numeric rows from Keysight U1190 Series Clamp Meters data sheet 5990-8646EN model column U1194A. Measurement Rate ACV DCV: approximately 3 readings per second Overload Protection Voltage: 600 Vrms class Numeric rows from Keysight U1190 Series Clamp Meters data sheet 5990-8646EN model column U1194A.



MODEL

**Agilent / Keysight
U1194A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U1194A

LISTING

<https://aumictechlabs.com/products/u1194a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight U1194A is a handheld clamp meter designed for versatile electrical measurements in various industrial applications. It has a combination of clamp meter functionality for current measurements and digital multimeter capabilities for voltage, resistance, capacitance, diode, and temperature testing. The device is equipped with features that enhance user safety and measurement efficiency. Technical Specifications * Display: 6,000 counts resolution, LCD with backlight. True RMS: Yes, for AC voltage and AC current measurements. Counts Resolution: 6,000. Electrical Specifications * AC Current: * Ranges: 60 μ A, 600 μ A, 60 A, 600 A. * Accuracy: 1.0% + 5 for 60 μ A and 600 μ A ranges; 2.0% + 5 for 60 A and 600 A ranges. * Frequency

Response: 45 to 500 Hz (sine wave). * Conversion Type: RMS sensing, RMS indication. * Maximum Overload: 400 A RMS. * Note: AC current specifications for U1194A are AC coupled, true RMS, and valid from 5% to 100% of range. DC Current: * Ranges: 60 μ A, 600 μ A, 60 A, 600 A. * Accuracy: 1.0% + 5 for 60 μ A and 600 μ A ranges; 2.0% + 5 for 60 A and 600 A ranges (Note: Exact specification for 60A/600A not explicitly detailed as separate from AC in all sources, but DC is available). * Note: DC current measurement is exclusive to the U1194A model. 60 to 600 A ranges are from clamp measurement; 60 to 600 μ A ranges are from digital multimeter measurement. * Overload Protection (60-600 A range): 600 Arms. AC Voltage: * Ranges: 60 V, 600 V. * Accuracy: 1.2% + 5 for 60 V range; 0.5% + 3 for 600 V range. * Input Impedance: 10 M Ω (nominal) in parallel with < 100 pF. * Frequency Response: 45 to 500 Hz (sine wave). DC Voltage: * Ranges: 60 V, 600 V. * Accuracy: 0.5% + 3. * Input Impedance: 10 M Ω . Resistance: * Ranges: 600 Ω , 6 k Ω , 60 k Ω . * Accuracy: 0.8% + 5 for 600 Ω ; 0.8% + 3 for 6 k Ω and 60 k Ω . * Overload Protection: 600 Vrms for short circuits with < 0.1 mA current. * Maximum Open Voltage: < 1.4 V. Capacitance: * Ranges: 60 nF, 600 nF, 6 μ F, 60 μ F, 600 μ F, 6 mF. (Note: Some sources indicate capacitance measurement is not available on the U1191A model, implying it is on the U1194A). * Overload Protection: 600 Vrms for short circuits with < 0.1 mA current. Temperature (Type K Thermocouple): * Ranges: -40 to 400 $^{\circ}$ C, 400 to 1200 $^{\circ}$ C. * Accuracy: 1.0% + 2.0 $^{\circ}$ C. * Ranges: -40 to 752 $^{\circ}$ F, 752 to 2192 $^{\circ}$ F. * Accuracy: 1.0% + 3.6 $^{\circ}$ F. Diode Test: * Range: 1.5 V. * Resolution: 0.001 V. * Accuracy: 1.0% + 3. * Maximum Open Voltage: 1.8 V. * Note: Built-in buzzer beeps for forward-biased diodes between 0.3 V and 0.8 V. Continuity Test: * Audible indication for resistance < 30 Ω . * Visual and audible continuity alerts. Frequency: * Ranges: 99.99 Hz, 999.9 Hz, 9.999 kHz, 99.99 kHz. * Accuracy: 0.5% + 3. Safety and Protection * Overvoltage Protection: CAT III 600 V / CAT IV 300 V. Vsense: Non-contact voltage detection with audible alert. Alerts users without probing when high AC voltage is detected. Safety Alert: Audible beeper for voltage detection. Key Features * Wire Separator: Unique design to isolate and measure individual wires within a bundle. Built-in LED Flashlight: Illuminates the test area for improved visibility. Data Hold, Max/Min/Avg: Capabilities for capturing readings. Auto-Range: Automatic selection of measurement range. Null Function: For setting a reference point. Auto Power Off: Conserves battery life. Ergonomic Design: Fits comfortably in the palm for ease of use. Included Accessories * Keysight U1194A Handheld Clamp Meter Test Lead Set K-type thermocouple Soft Carrying Case Quick Start Guide Batteries Certificate of Calibration Compatibility * The Agilent U1194A is part of the U1190 Series Handheld Clamp Meters. It is compatible with Keysight accessories such as the U1168A Standard test lead kit, U1169A Test Probe Leads, U1176A LED Probe Clip Light, U1178A Soft carrying case, U1181A Immersion temperature probe, U1182A Industrial surface temperature probe, and U1183A Air temperature probe. Why Choose Aum

U1194A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Handheld clamp meter with DMM functions
Series Family	Keysight U1190 Series
Display Counts	6000 counts LCD maximum reading
Rms Method	True RMS
DC Voltage Range	60 to 600 V
DC Voltage Accuracy	0.5 percent plus 3 counts at 23 plus or minus 5 C
DC Voltage Input Impedance	10 MOhm
AC Voltage Range	60 to 600 V
AC Voltage Accuracy	1.2 percent plus 5 counts from 45 to 500 Hz
AC Voltage Bandwidth	45 to 500 Hz sine wave
AC Current Range	60 to 600 A
AC Current Accuracy 45 to 65 Hz	2.0 percent plus 5 counts on 60 A and 600 A
AC Current Accuracy 65 to 500 Hz	3.0 percent plus 5 counts on clamp ranges
Resistance Range	600 ohm to 60 kOhm
Resistance Accuracy	0.8 percent plus 5 counts on 600 ohm; 0.8 percent plus 3 counts on kohm ranges
Diode Test Range	1.5 V at 0.001 V resolution
Diode Test Accuracy	1.0 percent plus 3 counts
Diode Open Voltage	1.8 V maximum
Continuity Range	600 ohm at 0.1 ohm resolution
Continuity Threshold	buzzer below 30 ohm; no beep above 200 ohm
Continuity Tone	2.7 kHz buzzer
Capacitance Range	600 uF to 6 mF
Temperature Range	K type minus 40 to 1200 C
Frequency Range	99.99 Hz to 99.99 kHz
Frequency Accuracy	0.5 percent plus 3 counts on U1192A/U1193A/U1194A

PARAMETER	VALUE
DC Clamp Current Range	60 to 600 A
DC Microamp Range	60 to 600 uA
AC Microamp Range	60 to 600 uA
Vsense Noncontact Voltage	Yes
Built In Led Flashlight	Yes
Clamp Opening	37 mm
Clamping Diameter	35 mm
Safety Category	CAT III 600 V / CAT IV 300 V
Crest Factor	up to 3.0 at 4000 counts
Temperature Coefficient	0.1 x specified accuracy perCfrom 0 to 18 C or 28 to 50 C
CMRR	greater than 120 dB at DC 50/60 Hz in DC V; greater than 60 dB at 50/60 Hz in ACVBattery Type: 2 × 1.5 V AAA alkaline
Battery Life Typical	approximately 200 hours backlight off continuous DCV; 40 hours backlight on
Power Consumption	approximately 9 mVA backlight off DCV; 42 mVA backlight on DCV
Operating Temperature	minus 10 to 50 C, 0 to 80 percent RH
Altitude	up to 2000 m
Storage Temperature	minus 40 to 60 C, 40 to 80 percent RH without batteries
Dimensions WxHxD	77.1 mm x 238.0 mm x 38.6 mm
Weight With Batteries	348 g
Calibration Cycle	one year
Measurement Rate ACV DCV	approximately 3 readings per second
Auto Power Off	Yes
Data Hold Min Max Avg Null	Yes
Overload Protection Voltage	600 Vrms class
Bandwidth	45 to 500 Hz sine wave

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 to 60 C, 40 to 80 percent RH without batteries
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Weight With Batteries	348 g
Calibration Cycle	one year
Measurement Rate ACV DCV	approximately 3 readings per second
Auto Power Off	Yes
Data Hold Min Max Avg Null	Yes
Overload Protection Voltage	600 Vrms class Notes Numeric rows from Keysight U1190 Series Clamp Meters data sheet 5990-8646EN model column U1194A.

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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AC Voltage Bandwidth	45 to 500 Hz sine wave
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AC Current Accuracy 65 to 500 Hz	3.0 percent plus 5 counts on clamp ranges
Resistance Range	600 ohm to 60 kOhm
Resistance Accuracy	0.8 percent plus 5 counts on 600 ohm; 0.8 percent plus 3 counts on kohm ranges
Diode Test Range	1.5 V at 0.001 V resolution
Diode Test Accuracy	1.0 percent plus 3 counts
Diode Open Voltage	1.8 V maximum
Continuity Range	600 ohm at 0.1 ohm resolution
Continuity Threshold	buzzer below 30 ohm; no beep above 200 ohm
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Temperature Range	K type minus 40 to 1200 C
Frequency Range	99.99 Hz to 99.99 kHz
Frequency Accuracy	0.5 percent plus 3 counts on U1192A/U1193A/U1194A

PARAMETER	VALUE
DC Clamp Current Range	60 to 600 A
DC Microamp Range	60 to 600 uA
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Built In Led Flashlight	Yes
Clamp Opening	37 mm
Clamping Diameter	35 mm
Safety Category	CAT III 600 V / CAT IV 300 V
Crest Factor	up to 3.0 at 4000 counts
Temperature Coefficient	0.1 x specified accuracy perCfrom 0 to 18 C or 28 to 50 C
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Auto Power Off	Yes
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Overload Protection Voltage	600 Vrms class

Notes

Numeric rows from Keysight U1190 Series Clamp Meters data sheet 5990-8646EN model column U1194A.

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.