

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U1191A Clamp Meter 600A

Dimensions WxHxD: 77.1 mm x 225.0 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 U1191A. 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 U1191A.



MODEL

**Agilent / Keysight
U1191A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U1191A

LISTING

<https://aumictechlabs.com/products/u1191a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight U1191A is a handheld clamp meter designed for AC current measurements. It features a 6,000-count resolution display and an average-responding AC current measurement capability up to 400 A. This instrument is equipped with a unique wire separator to assist in isolating individual wires within a bundle for measurement. It also offers integrated DMM functions including resistance, AC voltage, and DC voltage measurements. For safety, the U1191A is protected by CAT III 600 V and CAT IV 300 V overvoltage ratings. Technical Specifications * Display: 3.5-digit LCD with 6,000 counts resolution AC Current: * Range: 400 A * Accuracy: Typically $\pm 2.0\%$ + 5 digits for 600 A range * Conversion Type: Average sensing, RMS indication * Frequency Response: 45 to 500 Hz (sine wave) * Maximum Overload: 400 A RMS * Position Error: 1% of reading DC Current: Not available AC Voltage: * Range: 600 V * Accuracy: $\pm 0.5\%$ + 3 digits

* Frequency Response: 45 to 500 Hz (sine wave) * Input Impedance: 10 M Ω (nominal) in parallel with < 100 pF DC Voltage: * Range: 600 V * Accuracy: $\pm 0.5\%$ + 3 digits * Input Impedance: 10 M Ω Resistance: * Ranges: 600 Ω , 6 k Ω * Accuracy: $\pm 0.8\%$ + 5 digits for 600 Ω , $\pm 0.8\%$ + 3 digits for 6 k Ω * Overload Protection: 600 Vrms for short circuits with < 0.1 mA current Continuity: Yes, with audible and visual alerts Diode Test: Yes Capacitance: Not available Operating Temperature: -10 °C to +50 °C Maximum Conductor Size: 31 mm (1.22 in), 27 mm (clamping diameter) Safety: CAT III 600 V / CAT IV 300 V Overvoltage Protection Features * Wire Separator: Unique design to isolate individual wires in a bundle for measurement Data Hold: Yes Max/Min/Average: Yes Auto Ranging: Yes Null Function: Yes Auto Power Off: Yes Built-in LED Flashlight: Yes (on some models, including U1192A, U1193A, U1194A, and indicated for U1191A in some sources) Non-Contact Voltage Detector (Vsense): Yes (on some models, including U1192A, U1193A, U1194A, and indicated for U1191A in some sources) Ergonomic Design: Fits comfortably in the hand Compatibility * This instrument is part of the Agilent/Keysight U1190 Series. Physical Characteristics * Dimensions: 225 × 77.1 × 38.6 mm Clamp Opening: 31 mm Clamping Diameter: 27 mm Why Choose Aumictech for Agilent/Keysight U1191A? At Aumictech, we specialize in supplying high-end electrical test and measurement equipment. Whether you need precise AC current measurements, versatile DMM functions, or enhanced safety features, our team ensures the Agilent/Keysight U1191A delivers maximum performance for your application.

U1191A 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	Average responding
DC Voltage Range	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	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	400 A
AC Current Accuracy 45 to 65 Hz	2.0 percent plus 5 counts on 400 A
AC Current Accuracy 65 to 500 Hz	3.0 percent plus 5 counts on clamp ranges
Resistance Range	600 ohm to 6 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	Not available
Temperature Range	Not available
Frequency Range	Not available
Frequency Accuracy	0.5 percent plus 3 counts on U1192A/U1193A/U1194A

PARAMETER	VALUE
DC Clamp Current Range	Not available
DC Microamp Range	Not available
AC Microamp Range	Not available
Vsense Noncontact Voltage	No
Built In Led Flashlight	No
Clamp Opening	31 mm
Clamping Diameter	27 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 225.0 mm x 38.6 mm
Weight With Batteries	320 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
Operating temperature	minus 10 to 50 C, 0 to 80 percent RH
Operating Temperature	minus 10 to 50 C, 0 to 80 percent RH
Altitude	up to 2000 m
Dimensions WxHxD	77.1 mm x 225.0 mm x 38.6 mm
Weight With Batteries	320 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 U1191A.

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 Current Accuracy 45 to 65 Hz	2.0 percent plus 5 counts on 400 A
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Resistance Range	600 ohm to 6 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
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Continuity Range	600 ohm at 0.1 ohm resolution
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Continuity Tone	2.7 kHz buzzer
Capacitance Range	Not available
Temperature Range	Not available
Frequency Range	Not available
Frequency Accuracy	0.5 percent plus 3 counts on U1192A/U1193A/U1194A

PARAMETER	VALUE
DC Clamp Current Range	Not available
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AC Microamp Range	Not available
Vsense Noncontact Voltage	No
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Clamping Diameter	27 mm
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Crest Factor	up to 3.0 at 4000 counts
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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 U1191A.

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.