

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U1193A Clamp Meter 600A

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 U1193A. 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 U1193A.



MODEL

**Agilent / Keysight
U1193A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U1193A

LISTING

<https://aumictechlabs.com/products/u1193a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U1193A is a handheld clamp meter designed for comprehensive electrical current measurements. It has a 600 A true RMS current measurement capability, accommodating a variety of industrial and maintenance applications. The instrument is ergonomically designed for comfortable handling and ease of operation, with measurement functions selectable via a thumb press. Technical Specifications * Current Measurement: * Maximum Allowable Current: 600 A AC/DC * True RMS current measurement Measurement Functions: * AC/DC Voltage (DCV, ACV) * Resistance * Capacitance * AC Current (ACA) Display: * 3.5 Digit Display * Maximum Reading: 6,000 counts Safety Ratings: * CAT III 600 V * CAT IV 300 V Key Features: * Unique wire separator for isolating individual wires in a bundle * Vsense for non-contact voltage detection (on U1192A/93A/94A models) * Built-in LED flashlight to illuminate the test area * Visual and audible

continuity indication in noisy environments * Data Hold, Min, or Max recording capability * Backlight display Power: * Powered by 1.5 V AAA Alkaline batteries Accuracy: * Accuracy is given as $\pm$ (% of reading + counts of least significant digit) at $23\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$, with relative humidity less than 80% RH. * AC voltage and AC current specifications for U1193A and U1194A are AC coupled, true RMS and are valid from 5% of range to 100% of range. Physical Characteristics * Design: Ergonomically built, fits comfortably in the palm of the hand Dimensions: Jaw size accommodates large conductors (specific dimensions not provided in accessible documentation) [User Provided Short Description] Compatibility * Accessories: * U1168A Standard test lead kit * U1169A Test Probe Leads * U1176A LED test probe Why Choose Aumictech for Keysight U1193A? At Aumictech, we specialize in supplying high-end electrical test and measurement equipment. Whether you need accurate AC/DC current measurements, versatile DMM functions, or enhanced safety features like non-contact voltage detection, our team ensures the Keysight U1193A delivers maximum performance for your application.

U1193A 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	Not available
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	Not available
DC Microamp Range	Not available
AC Microamp Range	Not available
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	334 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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Operating Temperature	minus 10 to 50 C, 0 to 80 percent RH
Altitude	up to 2000 m
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Weight With Batteries	334 g
Calibration Cycle	one year
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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 U1193A.

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 Accuracy	1.2 percent plus 5 counts from 45 to 500 Hz
AC Voltage Bandwidth	45 to 500 Hz sine wave
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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
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Capacitance Range	600 uF to 6 mF
Temperature Range	Not available
Frequency Range	99.99 Hz to 99.99 kHz
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PARAMETER	VALUE
DC Clamp Current Range	Not available
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Built In Led Flashlight	Yes
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Notes

Numeric rows from Keysight U1190 Series Clamp Meters data sheet 5990-8646EN model column U1193A.

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.