

CLAMP ON AMMETER

HIOKI



CLAMP ON AC/DC HI TESTER

3264

AC/DC Clamp-on Ammeter Capable of Monitoring and Recording Waveforms



Allows accurate measurement of distorted waveforms

Capable of measuring maximum and minimum values and frequency

The 3264 is an AC/DC digital clamp-on ammeter which can measure current up to 100A. It is equipped with 10 A and 100 A ranges, making it possible to measure small dc current. The measurement range is selected automatically. In addition to ac/dc current and voltage, the 3264 can measure frequency and maximum, minimum and average values. An output function makes it possible to monitor and record the current waveform.

Measurement

Maximum auto-ranging through AC/DC 100A

The auto-range function automatically selects the 10 A or 100 A range for ac and dc currents. In the 10 A range, measurement is done with a resolution of 10 mA.

Voltage measurement up to 1000V

Voltage up to 750 VAC or 1000 VDC can be measured by connecting the test leads to the voltage terminals on the side panel.

Frequency measurement from 10 to 999 Hz

When an ac current or voltage is measured, the frequency can also be measured.

True RMS display

An accurate true-RMS value is displayed even for a distorted ac currents or voltages.

Function

Maximum, minimum and average value display

In the peak or valley mode, the maximum and minimum input values are automatically held when measuring current or voltage. The average mode is convenient for highly erratic input because it displays average values at intervals of 4 seconds.

Auto-zero and data hold function

The auto-zero function makes one-touch zero adjustment possible. The data hold function is convenient when measurement is done at tight spots where the display can not be read directly.

Output terminal/output converter (optional)

An output terminal is provided to allow connection of a recorder for monitoring and recording current waveforms. By connecting the optional 9309 output converter, all data measured with the 3264 -including the maximum values, minimum values and frequency-can be output for recording.

General specifications

- Operation: Sequential comparative
- Display: LCD, max. 999, unit symbol display, values below 5 counts in voltage and current measurement are displayed as 000
- Display hold: Display hold provided through data hold switch.
- Detection: True RMS
- Range select: Auto-ranging
- Input overload: O.L. display
- Polarity display: Automatic polarity switching, "-" only displayed
- Battery low display: $\frac{d}{d}$ symbol displayed
- Response time: AC circuit characteristics about 120ms
- Sampling rate: Approx. 2 times/sec (averaging is 1 time/4sec)
- Peak/valley hold: Maximum and minimum current and voltage values held, AC circuit characteristics about 120ms
- Auto-zero function: 0.ADJ switch supports one touch setting of offset for DC current and voltage.
- Operation temperature/humidity: 0 to 40°C., 80% RH maximum (no condensation)
- Temperature characteristics: 0 to 40°C., current $\pm 2.5\%$ max., voltage $\pm 1.5\%$ max.
- Frequency response: ACA; within $\pm 4.0\%$, ACV; within $\pm 1.0\%$ at 20 Hz to 500 Hz (1 kHz: ACV)
- Crest factor: 2.5 or less for full scale of each range
- Conductor positioning error: $\pm 0.5\%$ at any position within the sensor core
- Effect of external magnetic fields: 0.5 A or less for an external magnetic field of 400 A/m
- Power supply: 006P \times 1 continuous operation: approx. 20 hours for A only, approx. 60 hours for V only current consumption: approx. 95 mW for A, approx. 45 mW for V
- Maximum input: A: 250 A max. (peak value, on a line of 600 V or less) V: 1500 V max. (peak value)
- Dielectric strength: 2500 VAC/1 min. between the input terminal and case
- Output voltage: ± 1000 mV/f.s. ($\pm 1.3\%$ rdg. $\pm 0.3\%$ f.s.)
- Measurable conductor diameter: 30 mm ϕ max.
- Dimensions and weight: 232H \times 63W \times 40D mm, approx. 430 g
- Accessories: 9067 test leads 1 set, Battery 006P 1, 9355 carrying case 1.

Measurement range

(23°C \pm 5°C, 80% RH maximum, 50/60Hz)

Function	Mode	Range	Accuracy
DC A	NORMAL AVERAGE	10/100A	$\pm 1.3\%$ rdg. ± 3 dgt.
	PEAK VALLEY	100A	
AC A	NORMAL AVERAGE	10/100A	$\pm 0.3\%$ rdg. ± 1 dgt.
	PEAK VALLEY	100A	
	Hz	$\#1$ 100/1000Hz	
DC V	NORMAL AVERAGE	100/1000V $\#2$	$\pm 1.0\%$ rdg. ± 3 dgt.
	PEAK VALLEY	1000V $\#2$	
AC V	NORMAL AVERAGE	100/750V $\#2$	Input resistance Approx. 2M Ω
	PEAK VALLEY	750V $\#2$	
	Hz	$\#1$ 100/1000Hz	$\pm 0.3\%$ rdg. ± 1 dgt.

Note: #1 Frequency measurement range is 10 to 999Hz. #2 The measurement ranges for 9309 output converter are 750V DC and 600V AC.

Optional accessories

9094 Output cord

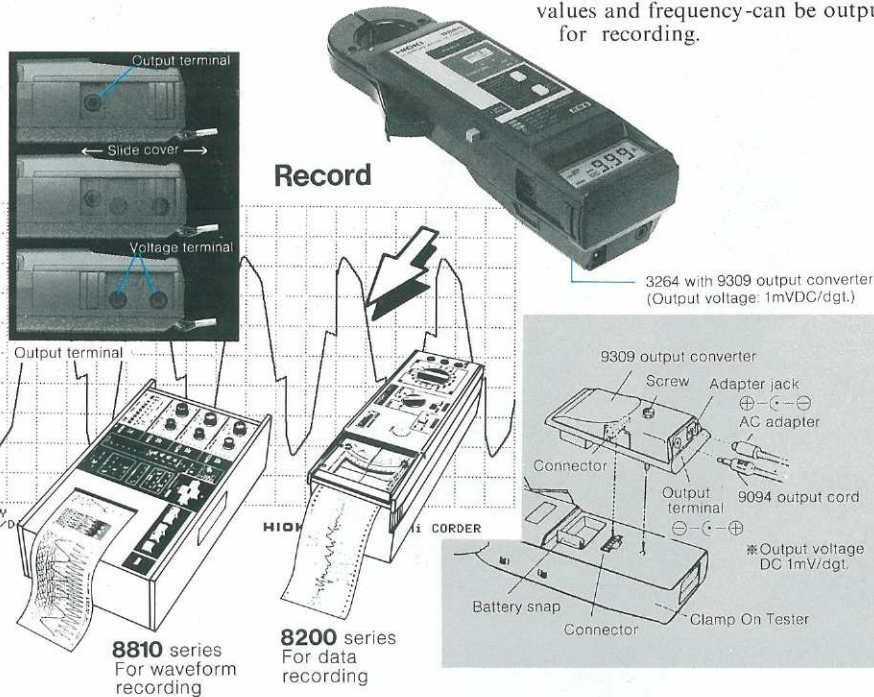
CT-101A Line splitter

9131 Clamp adapter

9309 Output converter (With 9094 output cord/Output voltage DC 1mV/dgt., 9309 requires a rated 11.5 \pm 1V, 75mA AC adapter power supply).

Standard packing (double carton box)

	Sets	N.W.kg	G.W.kg	M ³
3264	15	12	14	0.1



HIOKI E.E. CORPORATION

DISTRIBUTED BY

HEAD OFFICE: P.O. Box 1, Sakaki, Nagano, 389-06 Japan.
Tlx: 3327508 HIOKI J / Cable: HEWLOW, Ueda
Tel. (0268) 82-3030 / Fax. (0268) 82-3215

HIOKI-RCC, INC.: 11B Princess Road Lawrenceville,
New Jersey 08648 U.S.A.
Telephone: (609) 895-0505

All specifications are subject to change without notice.