

# HIOKI

## CLAMP ON AC/DC HiTESTER

**3288** [1000 Arms max. MEAN Value]

**3287** [100 A max. True RMS]

Field Measuring Instrument



# Compact & Easy

*With Guaranteed Accuracy!*

AC/DC  
Multi-Function  
Clamp

# 3288

AC/DC  
1000A  
max.

*Economically  
priced*



ISO 9001  
JMI-0216



ISO14001  
JQA-E-90091

Actual-size



[www.hioki.com](http://www.hioki.com)

HIOKI company overview, new products, environmental considerations and other information are available on our website.



3287  
AC/DC  
100A  
max

# One-touch maintenance on all types of AC/DC equipment

## Features

- The 3288, for high current measurements such as UPS emergency batteries and train motors:

Handles measurements up to a maximum of AC/DC 1000 A, using an average value type measurement formula for AC mode to realize cost savings.



- The 3287, which can handle even cogenerator / inverter energy-saving equipment:

The 3287 performs accurate measurements of even small currents in the AC/DC 10.00 A range. In AC mode it also guarantees accuracy of true RMS measurements for frequencies from 10 Hz to 1 kHz. Handles low frequency to distorted currents including higher harmonics, simplifying maintenance of energy-saving equipment up to a maximum of 100 A.



- Multi-function clamp that simplifies equipment diagnosis: Besides AC/DC current measurement, it also contains DMM functions for voltage, resistance, and continuity checking.

### 3287/3288 Specifications (accuracy at 23°C±5°C (73°F±9°F), 80% rh)

Function	Range (Accuracy)
DC current*	3288 100.0 / 1000 A (±1.5%rdg.±5dgt.)
	3287 10.00 / 100.0 A (±1.5%rdg.±5dgt.)
AC current*	3288 100.0 / 1000 A (45 to 66 Hz; ±1.5%rdg.±5dgt.) (10 to 45 Hz or 66Hz to 500Hz; ±2.0%rdg.±5dgt.)
	3287 10.00 / 100.0 A (45 to 66 Hz; ±1.5%rdg.±5dgt.) (10Hz to 20Hz; ±5.0%rdg.±5dgt., 20 to 45 Hz or 66Hz to 1kHz; ±2.0%rdg.±5dgt.)
DC voltage	420.0 m / 4.200 / 42.00 / 420.0 / 600 V (±1.3%rdg.±4dgt.)
AC voltage	4.200 / 42.00 / 420.0 / 600 V (30 to 500Hz; ±2.3%rdg.±8dgt.)
Resistance (open terminal voltage 3.4 V max.*2)	420.0 / 4.200 k / 42.00 k / 420.0k / 4.200 M / 42.00 MΩ (±2.0%rdg.±4dgt.*3)
Continuity (open terminal voltage 3.4 V max.)	420.0 Ω (±2.0%rdg.±6dgt.) (Buzzer sounds at approx. 50 Ω or less)

\*1. current measurement function performs zero suppression for counts 5 or less

\*2. at 420 Ω. (4.2k 0.7V (typ.) 42k to 42M 0.5V (typ.))

\*3. at 420 to 420kΩ. (4.2MΩ ±5.0%rdg.±4dgt. 42MΩ ±10.0%rdg.±4dgt.)

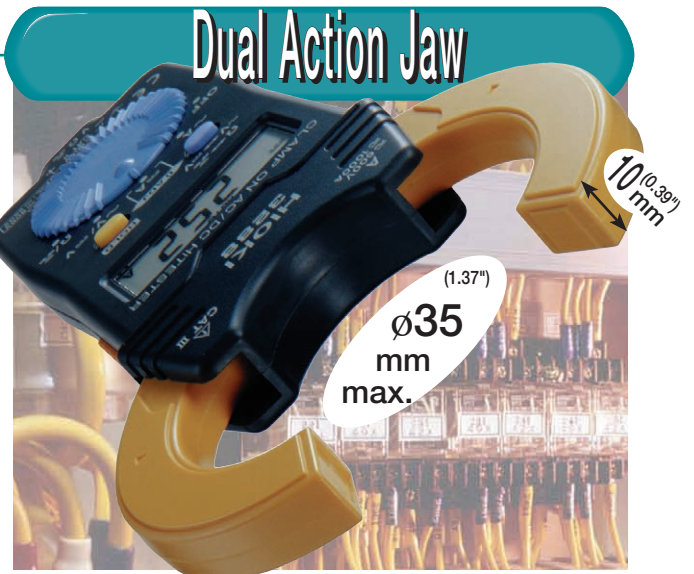
Inspect the unit and check that it is operating correctly before use. When carrying out measurement on live lines, wear proper protective gear, insulating rubber gloves, insulating rubber boots and safety helmet, and use extreme caution to avoid electric shock accidents. In order to prevent short-circuits and injury, use the clamp product on electrical circuits with a voltage less than the maximum operation circuit voltage.

**HIOKI**  
HIOKI E. E. CORPORATION

HEAD OFFICE :  
81 Koizumi, Ueda, Nagano, 386-1192, Japan  
TEL +81-268-28-0562 / FAX +81-268-28-0568  
E-mail: os-com@hioki.co.jp

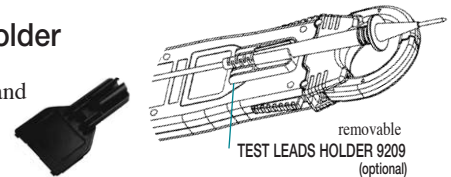
HIOKI USA CORPORATION :  
6 Corporate Drive, Cranbury, NJ 08512 USA  
TEL +1-609-409-9109 / FAX +1-609-409-9108  
E-mail: hioki@hiokiusa.com

HIOKI (Shanghai) Sales & Trading Co., Ltd. :  
1608-1610 Shanghai Times Square Office, 93 Huai Hai Zhong  
Road, Shanghai, P.R.China POSTCODE: 200021  
TEL +86-21-6391-0090/0092 FAX +86-21-6391-0360  
E-mail: info-sh@hioki.com.cn  
Beijing Office :  
A-2602 Freetown, 58 Dong San Huan Nan Road  
Beijing, P.R.China POSTCODE: 100022  
TEL +86-10-5867-4080/4081 FAX +86-10-5867-4090  
E-mail: info-bj@hioki.com.cn  
Guangzhou Office :  
Room A-3206, Victory Plaza Services Center, No.103,  
Tiyuxi Road, Guangzhou, P.R.China POSTCODE: 510620  
TEL +86-20-38392673/2676 FAX +86-20-38392679  
E-mail: info-gz@hioki.com.cn



- A slim core of only 10 mm (0.39"), so clamping is easy even in crowded wiring
- Independent-opening double-lever design
- No metal (iron core) exposure, ensuring enhanced safety
- CAT III 600 V (current) for emphasis on safety

- Test Lead Holder for convenient voltage, resistance, and continuity checking.



- AC measurement: 3287; true RMS, 3288; MEAN value
- Ancillary functions: auto zero(at DCA), auto ranging, data hold function, auto power save function
- Display: Max.4199-count LCD
- Sampling rate: 2.5 times/sec
- Measurable conductor diameter: ø35mm (1.37") max.
- Max.usable circuit voltage: 600Vrms
- Crest factor(3287 only): 2.5 or less (150Amax. 1000Vmax.)
- Effect of conductor position: within ±1.0 % (3288; ±2.0%) in any direction from the center of sensor
- Overload protection: DCV/ACV - 600 V DC /AC rms; ohms/continuity - 250 V DC /AC rms
- Applicable standards: Safety - EN61010 CAT III 600V(AC A), CAT III 300V(AC/DC V), CAT II 600V(AC/DC V), UL 61010B; EMC - EN61326
- Location for use: Indoors, altitude up to 2000 m
- Ambient temperature of use: 0 to 40°C(32°F to 104°F), 80%rh (no condensation)
- Storage temperature range: -10 to 50°C (14°F to 122°F), (no condensation)
- Power source: CR 2032 battery×1 (3V DC)
- Continuous operating time: approx. 25 hours (3288; approx. 60 hours)
- Dimensions and mass: Approx. 57 WX180 HX16 D mm, 170 g (3288; 150 g) (Approx 2.2" (W)X 7.1" (H)X 0.6" (D), 6.0 oz. (3288; 5.3oz.))

- Accessories: battery, carrying case, test leads and manual



Includes TEST LEADS 9208 and CARRYING CASE 9398

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