

## 3280-20 [1000A AC, $\phi$ 33mm(1.30") max.] CLAMP ON HI TESTER

Field measuring instruments



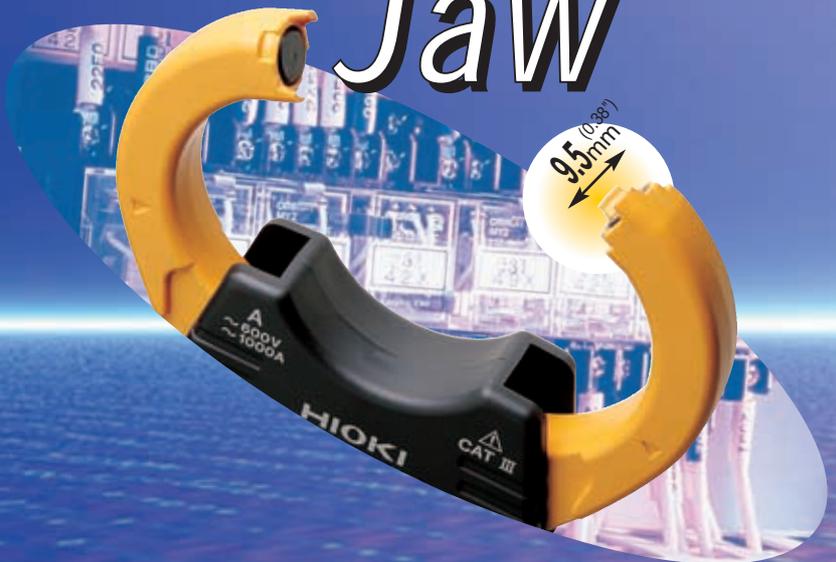
*New*

# TRMS

## Dual Action Jaw



Actual-size



- ✓ Slim body design
- ✓ Easy clamping in narrow locations



ISO14001  
JQA-E-90091

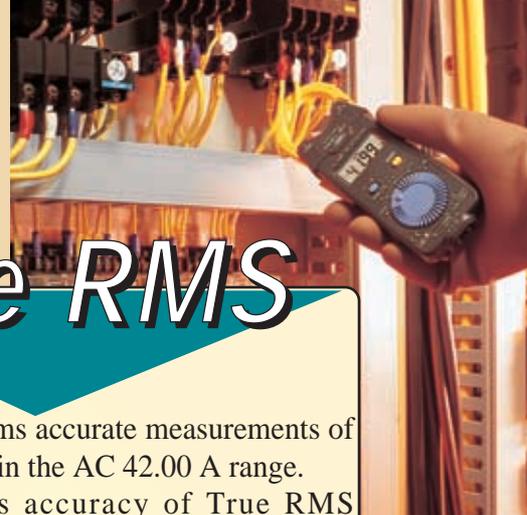


<http://www.hioki.co.jp/>



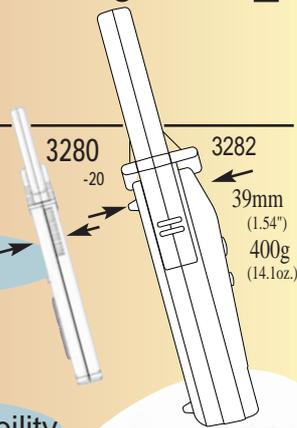
HIOKI company overview, new products, environmental considerations and other information are available on our website.

# Safe & Easy Operation!



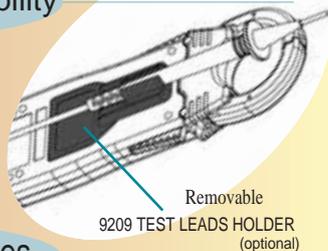
## Features

Light **100g**, Slim **16mm**  
(3.5 oz.) (0.63")



Right / Left hand capability

● **Test Lead Holder** for convenient voltage measurement



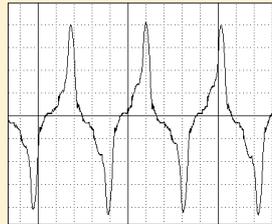
Prevents careless mistakes

● **Auto-power save** to conserve battery life  
● **PTC Protected (Non-fuse type)** protects up to 250 V AC/DC

No Fuse Required

## True RMS

The 3280-20 performs accurate measurements of even small currents in the AC 42.00 A range. It also guarantees accuracy of True RMS measurements for frequencies from 40 Hz to 1 kHz.



Current waveform of the switching power supply (primary side)



MEAN value method



True RMS method  
3280-20

## 3280-20 Specifications (Accuracy at 23°C±5°C (73°F±9°F), 80% rh or less)

Function	Range (Accuracy)
<b>AC current</b>	0.06 - 42.00 / 420.0 / 1000 A (45 to 66 Hz; ±1.5%rdg.±5dgt.) (40 to 45 Hz or 66Hz to 1kHz; ±2.0%rdg.±5dgt.)
<b>DC voltage</b>	420.0 m / 4.200 / 42.00 / 420.0 / 600 V (±1.3%rdg.±4dgt.)
<b>AC voltage</b> (50 to 500 Hz)	4.200 / 42.00 / 420.0 / 600 V (±2.3%rdg.±8dgt.)
<b>Resistance</b> (open terminal voltage 3.4 V max.*1)	420.0 / 4.200 k / 42.00 k / 420.0k / 4.200 M / 42.00 MΩ (±2.0%rdg.±4dgt.*2)
<b>Continuity</b> (open terminal voltage 3.4 V max.)	420.0 Ω (±2.0%rdg.±6dgt.) Buzzer sounds at approx 50 Ω or less

\*1. at 420 Ω. (4.2k 0.7V (typ.) 42k to 42M 0.5V (typ.))

\*2. at 420 to 420kΩ. (4.2MΩ ±5.0%rdg.±4dgt. 42MΩ ±10.0%rdg.±4dgt.)



Include 9208 TEST LEADS and 9398 CARRYING CASE

●AC measurement: True RMS value ●Ancillary functions: auto ranging, data hold function, auto power save function, battery life warning function ● Display: Max.4199-count LCD ●Sampling rate: 2.5 times/sec (Fast), 1 times/3sec (Slow) ●Measurable conductor diameter: ϕ33mm (1.30")max. ●Max.usable circuit voltage: 600Vrms ●Max.allowable current: 2000 A AC rms cont. ●Effect of conductor position: within ±5.0 % in any direction from the center of sensor ●Overload protection: DCV/ACV - 600 V DC / AC rms; ohms/continuity - 250 V AC rms ●Applicable standards: Safety - EN61010-1:1993 + A2:1995 CAT III 600V(AC A), CAT II 600V(AC/DC V); EMC - EN61326-1: 1997+A1: 1998 ●Drop-proof: 3280-20 can with-stand a 1m drop onto a concrete floor ●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: CR2032 battery×1 (3V DC) ● Continuous operating time: approx. 50 hours ●Dimensions and mass: Approx. 57 WX175 HX16 D mm, 100 g (Approx 2.2" (W) X 6.9" (H) X 0.6" (D), 3.5 oz.) ●Accessories: battery, carrying case, test leads and manual

⚠ **WARNING** 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.

⚠ **DANGER** 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.

## 3280-20 CLAMP ON HITESTER

Options

9209 TEST LEADS HOLDER



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