



## **POCKET SIZE CLAMP SERIES 3280s**

Field Measuring Instrument



## Pick the Card that is Right for You!









# A Current Clamp Meter that Fits Right in Your Pocket

Actual

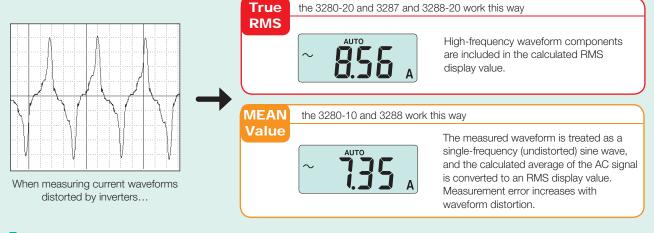


Super slim core reaches into crowded wiring easily

Actual size



Two ways to convert alternating current to RMS are "**true RMS response**" and "**average rectified RMS response**" (averaging). Both display the same value for a sine wave, but can display very different values for distorted waveforms.



As inverters and switching power supplies proliferate, the need for the capability to measure distorted current waveforms grows.

A true RMS clamp-on current meter is the proper tool for accurate measurements.

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

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		3280-10	3280-20	3287	3288 / 3288-20
Function	AC current	42.00/ 420.0/ 1000A (50 to 60Hz:±1.5%rdg.±5dgt.)	42.00/ 420.0/ 1000A (50 to 60Hz:±1.5%rdg.±5dgt.) (40 to 45Hz or 66Hz to 1kHz :±2.0%rdg.±5dgt.)	10.00/ 100.0A (45 to 66Hz:±1.5%rdg.±5dgt.) (10 to 20Hz:±5.0%rdg.±5dgt.) (20 to 45Hz or 66Hz to 1kHz:±2.0%rdg.±5dgt.)	100.0/ 1000A (45 to 66Hz:±1.5%rdg.±5dgt.) (10 to 45Hz or 66Hz to 500 Hz:±2.0%rdg.±5dgt.)
	AC voltage	4.200/ 42.00/ 420.0/ 600V (50 to 500Hz:±2.3%rdg.±8dgt.)		4.200/ 42.00/ 420.0/ 600V (30 to 500Hz:±2.3%rdg.±8dgt.)	
	DC current			10.00/ 100.0A (±1.5%rdg.±5dgt.)	100.0/ 1000A (±1.5%rdg.±5dgt.)
	DC voltage	420.0m/ 4.200/ 42.00/ 420		0.0/ 600V (±1.3%rdg.±4dgt.)	
	Resistance	420.0/ 4.200k/ 42.00k/ 420.0k/ 4.200M/ 42.00MΩ (±2.0%rdg.±4dgt.)			
	Continuity	$420.0\Omega$ (±2.0%rdg.±6dgt.) Threshold level : Less than $50\Omega \pm 40\Omega$ (Buzzer sound)			
A.C		MEAN value True RMS True RMS MEAN value(3288) / True RMS(-20)			
AC measurement		MEAN value	Irue KMS	True RMS	MEAN value(3288) / True RMS(-20)
Maximum conductor diameter for measurement		φ33mm (1.30") or less φ35mm (1.38") or less			
Maximum rated voltage to earth		ACA, DCA : CAT III 600V / ACV, DCV : CAT III 300V, CAT II 600V			
Display update rate		400ms ±25ms			
Range switching		Auto range/ Manual range			
Zero suppression		5 count or less (current measurement only)			
Effect of conductor position		within ±5.0%		within ±1.0%	within ±2.0%
Crest factor			2.5 or less (current measurement only)	2.5 (current range:150A max.,voltage range:1000V max.)	3(1000A range is 2 max.,voltage range:1.5 max.) (3288-20 only)
Drop proof		One meter to concrete			
Functions		auto power save, data hold, battery life warning			
Operating temperature and humidity		0 to 40°C(32 to 104°F), 80% RH max (no condensation)			
Temperature characteristics		In 0 to 40°C(32 to 104°F) range:0.1×Measurement accuracy/ (°C)			
Storage temperature		-10 to 50°C(14 to 122°F) (no condensation)			
Power supply		Lithium battery: CR2032×1 (Rated supply voltage 3 V DC)			
Maximum rated power		15 mVA			
Con time	tinuous operating	Approx. 150 hours (standard), Approx.80 hours min. (in AC current measurement mode, continuous, no load)	Approx. 50 hours min. (in AC current measurement mode, continuous, no load)	Approx. 25 hours (continuous, no load)	Approx. 60 hours(3288) Approx. 35 hours (3288-20) (continuous, no load)
Dimensions and mass		Approx. 57W×175H×16D mm, approx. 100g Approx. 57W×180H×16D mm, approx. 170g (3288/-20:1.   (Approx. 2.24"W×6.89"H×0.63"D, approx. 3.5 oz.) (Approx. 2.24"W×7.09"H×0.63"D, approx. 6.0 oz.(3288/-20:5.3)			
Withstand voltage		Between case and circuit: AC3536 Vrms for 15 sec. Between clamp sensor and case: AC5312 Vrms for 15 sec. Between clamp sensor and circuit: AC5312 Vrms for 15 sec.			
Safety standards		EN61010 CAT III 600V CAT II 600V (AC /DC V			(AC/DC A), CAT III 300V, V) Type A current sensor
EMC standards		EN61326			
Accessories		CARRYING CASE 9398, TEST LEADS 9208			

#### Accessories



Includes TEST LEAD 9208 and CARRYING CASE 9398



Option



TEST LEAD HOLDER 9209

 $\triangle$  **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 oltage.

Note: Company names and Product names appearing in this catalog are trademarks or registered trademarks of various companies.



HEAD OFFICE :

HIOKI (Shanghai) Sales & Trading Co., Ltd. : 1608-1610 Shanghai Times Square Office, 93 Huai Hai Zhong Road, Shanghai, P.R.China POSTCODE: 200021 DISTRIBUTED BY TEL +86-21-6391-0090/0092 FAX +86-21-6391-0360 http://www.hioki.cn / E-mail: info-sh@hioki.com.cn Beijing Office : TEL +86-10-5867-4080/4081 FAX +86-10-5867-4090 E-mail: info-bj@hioki.com.cn 81 Koizumi, Ueda, Nagano, 386-1192, Japan TEL +81-268-28-0562 / FAX +81-268-28-0568 Guangzhou Office : TEL +86-20-38392673/2676 FAX +86-20-38392679 E-mail: info-gz@hioki.com.cn http://www.hioki.co.jp / 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 http://www.hiokiusa.com / E-mail: hioki@hiokiusa.com

HIOKI INDIA PRIVATE LIMITED : Khandela House, 24 Gulmohar Colony Indore 452 018 (M.P.), India TEL +91-731-4223901, 4223902 FAX +91-731-4223903 http://www.hioki.in / E-mail: info@hioki.in