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DIGITAL CLAMP ON HITESTER

3282 (1000A AC, Ø46mm max.)

3281 (600 A AC, Ø33mm max.) Field measuring instruments Beats distorted waveform Easy to clamp! Current waveform of the inverter (primary side) Multi function! True P MEAN value method 3261 CE The MEAN value is Non-fuse type! CAT IN F RMS 40% lower than the true RMS True RMS method 3281/3282 RANGE HOLD POWER A Peak Value HIOKI 3282 Peak value Crest factor 0000 00000 miniminiminiminimini DIGITAL CLAMP ON HITESTER 30,00 CAT IV 600V \sim 600V- $\widetilde{\mathbf{v}}$ CAT I Crest factor COM

3281

ISO 9001

ISO14001

= Peak value/ RMS value

= 18.9 A/6.35 A= 2.98

Designed for ease of use on the site!

The HAND STRAP fits the device neatly to the hand



The HAND STRAP not only prevents the device from being dropped when working, but also effectively imparts strength when parting crowded wiring to clamp.

The photograph is 3281.

⚠ 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



- 1. 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.
- In order to prevent short-circuits and injury when the clamp core tip is open, do not use bare conductors.

■ **Specifications** [] in the Specification :3281 23°C±5°C, 80% or less.

Function	Mode	Range	Accuracy	Maximum permissible input
AC current A	RMS Effective value	30.00	±1.0%rdg.±0.7%f.s. (40 to 1 kHz)	600A rms continuous
		300.0	±1.0%rdg.±5dgt.*1 (45 to 66 Hz)	1700A max.
		1000	±1.0%rdg.±5dgt.*1(45 to 66 Hz)	1000A rms 5 minutes
		[600]	[±1.0%rdg.±5dgt.*1(45 to 66 Hz)]	[600A rms continuous 1000A max.]
	PEAK Peak value	30.0	±5.0%rdg.±5dgt.	600A rms continuous
		300	±3.0%rdg.±5dgt.	1700A max.
		1000	±3.0%rdg.±5dgt.	1000A rms 5 minutes
		[600]	[±3.0%rdg.±5dgt.]	[600A rms continuous 1000A max.]
AC voltage V	RMS	300.0/600	±1.0%rdg.±3dgt.*2(45 to 66 Hz)	600V rms continuous
	PEAK	300/600	±3.0%rdg.±5dgt.	1000V max.
Crest factor		1.00 to 5.00	±10.0%rdg.±5dgt.	Effective in the voltage
Frequency Hz		100.0	±0.3%rdg.±1dgt. (30 to 99.9 Hz)	and current functions
		1000	±1.0%rdg.±1dgt. (95 to 1000 Hz)	and current functions
Resistance Ω		1k/10.00k	±1.5%rdg.±5dgt.	Overload protection : 600V rms
Temperature probe sold separately	°C	-50 to 150°C	±2.0%rdg.±2dgt.	Open terminal voltage: 3.0V DC max.
	°F	-58 to 302°F	A 1.1 41	(resistance,continuity
continuity		1kΩ	Buzzer sounds at $30 \Omega \pm 5 \Omega$ or less	functions)
Display		LCD, digital (3000 counts, 999 counts (peak)), bar graph (35 segments)		

^{*1. 40} to 45Hz, 66 to 1kHz ±1.5%rdg,±5dgt. *2. 40 to 45Hz, 66 to 1kHz ±1.5%rdg,±3dgt. Measurement accuracy applies to input of at least 10% of the current, voltage and resistance range

DIGITAL CLAMP ON HITESTER 3281 DIGITAL CLAMP ON HITESTER 3282

(All include TEST LEAD 9207-10, CARRYING CASE 9399 and HAND STRAP)

Option THERMISTER TEMPERATURE PROBE 9462

HIOKI E. E. CORPORATION

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Prevents careless mistakes

- •Auto-power off to conserve battery life
- •Non-fuse type protects up to 600V AC



Even if voltage is mistakenly applied to the resistance range, the internal excessive voltage protection element (PTC thermister) protects the circuits for up to 600 V AC.

THERMISTER TEMPERATURE PROBE 9462 (optional)



- Measuring range:-50 to 150°C /-58 to 302°F ● Measuring accuracy: -50 to 50°C±3°C/50 to 100°C±4°C/100 to 150°C±5°C Note: the temperature accuracy given above
- is only the accuracy for the temperature probe. ±2%rdg.±2°C(°F) is added for the actual accuracy of the 3281/3282 themselves.
- ●Measurable conductor diameter: 3282; ø46mm max. 3281 ; ø33mm max. ●Operatable locations: up to 2000 m above sea level •Operatable temperature and humidity range: 0°C to 40°C, 80%rh or lower ●Auxiliary functions: recording (for V, A, Hz measurements displays maximum value(MAX), minimum value (MIN), and average value (AVE)), data hold (holds display), auto power off (approx. 10 minutes, buzzer sounds just before power is turned off, can be extended or cancelled) Display refresh rate: digital display FAST; approx. 4 times/second, NORMAL; approx. 2 times/second, SLOW; 1 time/ 3 seconds, bar graph display approx. 4 times/second •Frequency characteristic: 40Hz to 1kHz ●Effect of conductor position: At any position based on the center of the core 3281; within ±4.0%, 3282; within ±1.0% ●Effect of external magnetic field: In an external magnetic field of 400 A AC/m 3281; 1.5A max. 3282; 0.2A max. Circuit dynamic: when performing full-scale input to the range 2.5 or less (600 A [3282 is 1000 A], 600 V range is 1.7 or less) Maximum useable circuit voltage: 600 V rms (insulated conductor) Standards applying: Safety EN61010 Measurement Category III (3281), Measurement Category IV (3282), **EMC** EN61326 Voltage resistance: case-input terminal, between clamp cores 6.68 kV AC for 15 seconds Power supply: Layered magnesium battery (6F22) X1, 45 hours or less (continuous use) Dimensions /mass: 3281; Approx. 62WX218HX39Dmm (2.44"WX8.58"HX1.54"D), 350g(12.3 oz.) 3282; Approx. 62WX 231H X39Dmm (2.44"WX9.06"HX1.54"D), 400 g (14.1 oz.)

Accessories Lead length approx. 70 cm CAT IV 600V TEST LEAD 9207-10 CARRYING CASE 9399