

Flip CLAMP and Leak CLAMP SERIES

CLAMP ON HiTESTER 3291-50

CLAMP ON LEAK HiTESTER 3293-50

Easily read measured values from all heights with the adjustable display

3291-50 Overview

- Innovative flip clamp design
- Flip display to see measurement readings from any angle
- Max. 1000A, 3 ranges, Bar graph display
- Filter out high frequency noises for a clean signal

3293-50 Overview

- Measure for leakage current and load all with the same device
- Innovative flip clamp design
- Flip display to see measurement readings from any angle
- 1mA to 1000A accuracy guaranteed, 6 ranges and bar graph display
- Measure and display only the leakage current of commercial frequency components using the filter function

3291-50

FLIP CLAMP CE TrueRMS

3293-50



Order Code

3291-50
3293-50

Accessories

CARRYING CASE 9757 x1
Hand strap x1
Instruction manual x1
Coin type lithium battery (CR2032) x1

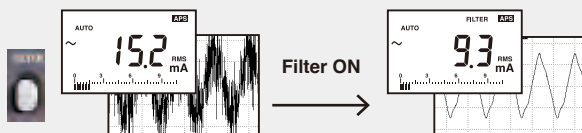
CLAMP ON LEAK HiTESTER 3283

1mA to 200A AC Leakage Current Clamp Meter with 10 μ A Resolution to Analyze Distorted Waveforms

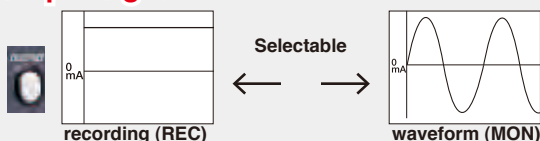
- Measure leak current using highly sensitive 10 μ A resolution (at 10.00 mA range)
- Indicate 50/60 Hz leak current components with the filtering function
- Monitor leak current conditions in combination with a Memory HiCorder (monitor output, Model 3283 only)
- 3283-20: EN 61010-2-032:2012 Type A to measure uninsulated hazardous live conductors such as busbars

Filtering

Sharp Low-pass filter reduces harmonic currents.



Output signal 3283 only



Easily monitor leakage current fluctuations

In combination with a HIOKI Memory HiCorder the 3283 can

OUTPUT CORD L9095 3283 only

CE 3283-20

Not CE Marked 3283



Insulated conductor

True RMS



3283-20

Order Code

3283
(with analog/ waveform monitor output,
Not CE marked)
3283-20
(without analog/ waveform monitor output)

Accessories

Options

AC ADAPTER (for USA) 9445-02
AC ADAPTER (for EU) 9445-03
CLAMP ON ADAPTER 9290-10
OUTPUT CORD L9094
(Connect to Banana terminal)
OUTPUT CORD L9095
(Connect to BNC terminal)

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Line-up to Suit Your Needs

Model	3284, 3285	3287, 3288, 3288-20	3291-50	3283, 3283-20	3293-50
					
True RMS rectifier	✓ Crest factor 2.5 or less 3284: 2.5 (1.5 at 200 A range) 3285: 2.5 (1.42 at 2000 A range)	3287, 3288-20: ✓ Crest factor 3287: 2.5 (150 A, 100 V max.) 3288-20: 3 (2 at 1000 A, 1.5 at AC V)	✓ Crest factor 2.8 or less (1.68 at 1000 A range)	✓ Crest factor 2.5 (1.5 at 200 A range)	✓ Crest factor 2.8 or less (1.68 at 1000 A range)
MEAN rectifier	N/A	3288: ✓	N/A	N/A	N/A
AC Current ranges	(3284) 20.00/ 200.0 A (3285/3285) 200.0/ 2000 A	(3287) 10.00/ 100.0 A (3288/3288-20) 100.0/ 1000 A	60.00/ 600.0/ 1000 A	10.00 m/ 100.0 m/ 1.000/ 10.00/ 200.0 A	30.00 m/ 300.0 m/ 6.000/ 60.00/ 600.0/ 1000 A
AC Voltage ranges	30.00/ 300.0/ 600 V	(3287) 10.00/ 100.0 A (3288/3288-20) 100.0/ 1000 A	N/A	N/A	N/A
Frequency characteristics	(3284) DC, 10 to 2 kHz (3285) DC, 10 to 1 kHz	(3287) DC, 10 to 1 kHz (3288/3288-20) DC, 10 to 500 Hz AC V: 30 to 500 Hz	45 to 400 Hz	40 to 2 kHz	45 to 400 Hz
DC Current ranges	(3284) 20.00/ 200.0 A (3285) 200.0/ 2000 A	(3287) 4.200/ 42.00/ 420.0/ 600 V (3288/3288-20) 4.200/ 42.00/ 420.0/ 600 V	N/A	N/A	N/A
DC Voltage ranges	30.00/ 300.0/ 600 V	420.0 m/ 4.200/ 42.00/ 420.0/ 600 V	N/A	N/A	N/A
Basic accuracy (at 50/60Hz)	AC A: ±1.3% rdg. ±3 dgt. AC V: ±1.0% rdg. ±3 dgt.	AC A: ±1.5 % rdg. ±5 dgt. AC V: ±2.3 % rdg. ±8 dgt. DC A: ±1.5 % rdg. ±5 dgt. DC V: ±1.3 % rdg. ±4 dgt.	AC A: ±1.5 % rdg. ±5 dgt.	AC A: ±1.0 % rdg. ±5 dgt. (at 10 m to 10 A range)	AC A: ±1.5 % rdg. ±5 dgt.
Resistance ranges	N/A	420.0 Ω to 42.00 MΩ, 6 ranges	N/A	N/A	N/A
Continuity	N/A	✓	N/A	N/A	N/A
Frequency (Hz)	✓	N/A	N/A	✓	N/A
Other functions	AC+DC mode, Max./ Min./ Average value record, Data hold, Peak hold, Auto power off, Auto zero	Data hold, Auto power save, Auto zero (DC A)	N/A	Filter function, Max./ Min./ Average value record, Data hold, Auto power off	N/A
Monitor / Analog output	✓	N/A	N/A	3283 : ✓ 3283-20 : N/A	N/A
Display refresh rate	4 times/s (FAST), 1 time/3s (SLOW)	2.5 times/s	1.1 sec or less	4 times/s (Fast), 1 time/3s (Slow), 4 times/s (bar graph)	1.1 sec or less
Max. rated voltage to earth	600 V AC rms	600 V AC rms	600 V AC rms	300 V AC rms	300 V AC rms
Measurement categories (current)	CAT III 600V	CAT III 600V	CAT III 600V CAT IV 300V	CAT III 300V	CAT III 300V
Measurement categories (voltage)	CAT III 600V	CAT III 300V CAT II 600V	N/A	N/A	N/A
Core jaw diameter	(3284) φ33 mm (3285) φ55 mm	φ35 mm	φ30 mm	φ40 mm	φ24 mm
Power supply	6F22 (006P) × 1, or AC adapter	CR2032 × 1	CR2032 × 1	3283: 6LR61/6F22 (006P) × 1, or AC Adapter 3283-20: 6LR61/6F22 (006P) × 1	CR2032 × 1
Model	3284	3287	3291-50	3283, 3283-20	3293-50
Dimensions and mass	62 mm (2.44 in) W × 230 mm (9.06 in) H × 39 mm (1.54 in) D, 460 g (16.2 oz)	57 mm (2.24 in) W × 180 mm (7.09 in) H × 16 mm (0.63 in) D, 170 g (6.0 oz)	50 mm (1.97 in) W × 136 mm (5.35 in) H × 26 mm (1.02 in) D, 115 g (4.1 oz)	62 mm (2.44 in) W × 225 mm (8.86 in) H × 39 mm (1.54 in) D, 400 g (14.1 oz)	50 mm (1.97 in) W × 130 mm (5.12 in) H × 26 mm (1.02 in) D, 135 g (4.8 oz)
Model	3285	3288, 3288-20			
Dimensions and mass	62 mm (2.44 in) W × 260 mm (10.24 in) H × 39 mm (1.54 in) D, 540 g (19.0 oz)	57 mm (2.24 in) W × 180 mm (7.09 in) H × 16 mm (0.63 in) D, 150 g (5.3 oz)			

Accessories : TEST LEAD L9208/ L9207-10/ L9207-30

Sleeve attached	CAT IV 600V	When the CAT (measurement category) rating of the main unit is lower than that of test leads, the CAT of the main unit takes
	CAT III 1000V	

Sleeve attached

CAT III, CAT IV

Sleeve

included as a stan-

No sleeve attached

CAT I, CAT II

Detachable!

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