

Professional 1500A AC/DC True RMS Clamp Meters with Inrush Current Function



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



- 1500A True RMS
- 40000 Counts(3351/3352)

- Peak Hold Function
- Inrush current measurement



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Features

	3350	3351	3352
Current measurement	AC/DC	AC/DC	AC/DC
Power clamp meter			*
LCD display counts	6600	40000	40000
AC True RMS	*	*	*
Display with backlight	*	*	*
Inrush current measurement	*	*	*
Max /Min, Data Hold	*	*	*
REL (Zero) Function	*	*	*
Auto Power Off	*	*	*
Low battery indication	*	*	*
Analog Bargraph / 41 seg.	*	*	*
2.16" (55mm) Jaw opening	*	*	*
NCV Detection	*	*	*

Specifications

Function	Max Range	Basic Accuracy	3350	3351	3352
Current DC	1500A	±(2.0%+10d)	*	*	*
Current AC	1500A	±(2.8%+10d)	*	*	*
AC kW/kVA	900.0kW	±(3.0%+10d)			*
(AC kW/kVA TRMS 0-600V, 0-1500A, 50/60Hz)					
DC kW/kVA	900.0kW	±(2.5%+10d)			*
(DC kW/kVA 0-600V, 0-1500A, 50/60Hz)					
Power Factor	0.3~1	±(2.5%+10d)			*
Voltage DC	1000.0V	±(0.1%+5d)	1000V	*	*
Voltage AC	750.0V	±(0.5%+5d)	750V	*	*
Resistance	40.000MΩ	±(0.5%+4d)	*	*	*
Temperature	1000°C/ 1832°F	±(1.0%+1°C/1°F)	*	*	*
Capacitance	40.00mF	±(2.5%+5d)	*	*	*
Duty Cycle	10.0 to 95.0%	±(0.5%+2d)	*	*	*
Frequency	40.000MHz	±(1.2%+2d)	*	*	*
Inrush Current	1500A	±(1.5%+2d)	*	*	*
Continuity check	Buzzer sounds at 50Ω				
Diode test	Test current 0.3mA				

Size(HxWxD): 295mm x 100mm x 46mm

Weight: 537g

Accessories:

Test leads, gift box with carrying case and 9V battery
Temperature probe.

3351 is a True RMS 1500A AC/DC Clamp Meter, 3352 is a True RMS Power Meter, which provide much more safe measurements with double molded plastic housing design. True RMS AC/DC voltage and current measurements, 40,000 counts and 0.1% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlight ensures that readings are easy to read under all circumstances.

Measuring starting current for motors, lighting, etc. is easy with theirush current function.

All inputs are protected by EN 610101-1 CATIV 600V/CATIII 1000V.



Model 3351

Model 3350



Professional 1000A AC, AC/DC Clamp Meters



CE
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- 1000A True RMS
- Peak Hold Function(3392)
 - Inrush Current Measurement(3397)

3391/3392/3395/3397 Series Professional True RMS Clamp Meters provide accurate AC, AC/DC Current and Voltage readings regardless of waveforms. These meters can be used in most industrial and commercial applications where non-linear loads distort the Current or Voltage waveform.



Features

	3390	3391	3392	3395	3397
True RMS measurements		*	*	*	*
Digital display counts	4000	4000	4000	6000	50000
Electronic overload protection	*	*	*	*	*
Analog Bargraph/segments			*/41	*/61	*/51
Continuity buzzer & Diode check	*	*	*	*	*
Data Hold function	*	*	*	*	*
Peak Hold function			*	Min./Max.	*
Inrush current measurement					*
DCA Zero function			*	*	*
Auto Power Off	*	*	*	*	*
Low battery indication	*	*	*	*	*
AC/DC Current	AC	AC	*	*	*
2" (52mm) Clamp jaw opening	*	*	*	*	*
NCV Detection	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3390	3391	3392	3395	3397
AC Current	1000 A	±(2.5%+5d)	10mA	*	*	*	*	*
DC Current	1000 A	±(3.0%+4d)	10mA			*	*	*
AC Voltage	600V	±(0.8%+2d)	0.1mV	*	*	*	*	*
DC Voltage	600V	±(1.0%+4d)	0.1mV	*	*	*	*	*
Resistance	40MΩ	±(1.0%+4d)	0.1Ω	*	*	*	*	50mF
Capacitance	40mF	±(3.0%+5d)	0.01nF	100μF	100μF	*	4000μF	10mF
Frequency	10MHz	±(1.2%+3d)	0.01MHz	*	*	4kHz	*	*
Temperature	1000°C/1832°F	±(3.0%+5d)	1°C/°F		*	*	*	*

Size(HxWxD): 271mm x 100mm x 47mm
Weight: 508g
Accessories:
Test leads, gift box with carrying case, 9V battery and Temperature probe (3391/3392/3395/3397)

Model 3397



Model 3390



Model 3395





1000A True RMS

3366/3368 Professional True RMS 1000A AC, AC/DC Clamp Meters provide accurate Inrush current measurement.

Inrush current measurement

- 6600 counts digital LCD display with backlit
- 1.2" (30mm) Clamp jaw opening
- Inrush current measurement
- Type K temperature measurement
- Data Hold function
- DCA Zero function
- Over-range indication
- Low battery indication
- Auto Power Off



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Features

	3366	3368
Inrush current function	*	*
True RMS AC Voltage and Current	*	*
1.2" (30mm) Clamp jaw opening	*	*
Electronic overload protection	*	*
Continuity buzzer & Diode check	*	*
Data Hold function	*	*
DCA Zero function	*	*
Auto Power Off	*	*
Low battery indication	*	*
AC/DC Current	AC current	*

Specifications

Function	Max Range	Max. Resolution	Basic Accuracy	3366	3368
AC Current	1000 A	0.1A	±(2.5%+5d)	*	*
DC Current	1000 A	0.1A	±(2.8%+4d)	*	*
AC Voltage	600V	0.1mV	±(1.0%+2d)	*	*
DC Voltage	600V	0.1mV	±(0.8%+4d)	*	*
Resistance	60MΩ	0.1Ω	±(1.0%+4d)	*	*
Frequency	10kHz	0.01kHz	±(1.2%+3d)	*	*
Capacitance	40mF	0.01mF	±(3.0%+3d)	*	*
Duty Cycle	10.0 to 94.9%	0.1%	±(1.2%+3d)	*	*
Temperature	760°C/1400°F	1°C/°F	±(3.0%+5d)	*	*
Inrush current	1000A	0.1A	±(2.0%+5d)	*	*
Continuity check	Threshold 40Ω, test current <0.5mA				
Diode test	Test current of 0.3mA typical, open circuit voltage <3V DC typical				

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case, Type K temperature probe & 9V battery

Model 3368



Model 3366



Double molded housing

1000A Clamp Meters

3360/3361/3363/3367 series professional 1000A AC, AC/DC clamp meters provide multi-function for 1000A AC, AC/DC, voltage, resistance, capacitance, Frequency, Temperature, duty cycle and continuity. These series are with 6000 counts digital LCD display and analog bargraph.



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- 6000 counts digital LCD display
- Analog Bargraph/Segments
- Electronic overload protection
- Continuity buzzer & diode check
- Data Hold function
- DCA Zero function
- Max/Min function
- Low battery indication
- Auto Power Off
- True RMS measurement(3367)

Features

	3360	3361	3363	3367
Digital display counts	6000	6000	6000	6000
Electronic overload protection	*	*	*	*
Continuity buzzer & Diode check	*	*	*	*
Data Hold function	*	*	*	*
DCA Zero function			*	*
Min/Max Hold function	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
AC/DC Current			*	*
True RMS measurements				*
1.2" (30mm) Clamp jaw opening	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3360	3361	3363	3367
DC Current	1000A	$\pm(2.5\%+5d)$	1mA			*	*
AC Current	1000A	$\pm(3.0\%+4d)$	10mA	*	*	*	*
DC Voltage	600V	$\pm(0.8\%+2d)$	0.1mV	*	*	*	*
AC Voltage	600V	$\pm(1.0\%+4d)$	0.1mV	*	*	*	*
Resistance	60M Ω	$\pm(1.0\%+4d)$	0.1 Ω	*	*	*	*
Capacitance	4000 μ F	$\pm(3.0\%+5d)$	0.01nF	*	*	*	*
Frequency	10MHz	$\pm(1.2\%+3d)$	0.001Hz	*	*	*	*
Duty Cycle	99.9%	$\pm(1.2\%+3d)$	0.1%	*	*	*	*
Temperature	1000°C/1832°F	$\pm(3.0\%+3d)$	0.1°C/°F		*	*	*

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case, 9V battery,
Temperature probe(3361/3363/3367)



Model 3360



Model 3363

1000A True RMS

Peak Hold Function

3380/3381/3382/3383 Series Professional True RMS Clamp Meters provide accurate AC, AC/DC Current and Voltage readings regardless of waveforms. These meters can be used in most industrial and commercial applications where non-linear loads distort the Current or Voltage waveform.

- Double molded housing
- Electronic overload protection
- Auto Power Off



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Features

	3380	3381	3382	3383
True RMS measurements	*	*	*	*
Digital display counts	4000	4000	6000	6000
Electronic overload protection	*	*	*	*
Analog Bargraph/segments	*/-	* /41	* /61	* /61
Continuity buzzer & Diode check	*	*	*	*
Data Hold function	*	*	*	*
Peak Hold function		*	MAX/MIN	MAX/MIN
DCA Zero function	*	*		*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
AC/DC Current	*	*	AC Current	*
1.2" (30mm) Clamp jaw opening	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3380	3381	3382	3383
AC Current	1000 A	$\pm(2.5\%+5d)$	10mA	*	*	*	*
DC Current	1000 A	$\pm(3.0\%+4d)$	10mA	*	*		*
AC Voltage	600V	$\pm(0.8\%+2d)$	0.1mV	*	*	*	*
DC Voltage	600V	$\pm(1.0\%+4d)$	0.1mV	*	*	*	*
Resistance	40M Ω	$\pm(1.0\%+4d)$	0.1 Ω	*	*	*	*
Capacitance	40mF	$\pm(3.0\%+5d)$	0.01nF	100 μ F	*	*	*
Frequency	10MHz	$\pm(1.2\%+3d)$	0.01MHz	*	*	*	*
Temperature	1000°C/1832°F	$\pm(3.0\%+5d)$	1°C/°F	*	*	*	*

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case, 9V battery and Temperature probe.



Model 3380



Model 3381



Peak Hold Function
1000A True RMS

3343T/3344/3345/3347 Series Professional True RMS Clamp Meters provide accurate AC, AC/DC Current and Voltage readings regardless of waveforms. These meters can be used in most industrial and commercial applications where non-linear loads distort the Current or Voltage waveform.

- Double molded housing
- Electronic overload protection
- Auto Power Off



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Features

	3343T	3344	3345	3347	3347W
True RMS measurements	*	*	*	*	*
Digital display counts	4000	4000	4000	4000	4000
Electronic overload protection	*	*	*	*	*
Analog Bargraph/segments	*	*/41	*/41	*/41	*/41
Continuity buzzer & Diode check	*	*	*	*	*
Data Hold function	*	*	*	*	*
Peak Hold function		*	*	*	*
DCA Zero function	*			*	*
Auto Power Off		*	*	*	*
Low battery indication	*	*	*	*	*
AC/DC Current	*	AC Current	AC Current	*	*
1.2" (30mm) Clamp jaw opening	*	*	*	*	*
USB interface					*
Wireless transmitter					915MHz
Receive Sensitivity					-109dBm
Communication Distance					≤ 100m

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3343T	3344	3345	3347/347W
AC Current	1000 A	±(2.5%+5d)	10mA	*	*	*	*
DC Current	1000 A	±(3.0%+4d)	10mA	*			*
AC Voltage	600V	±(0.8%+2d)	0.1mV	*	*	*	*
DC Voltage	600V	±(1.0%+4d)	0.1mV	*	*	*	*
Resistance	40MΩ	±(1.0%+4d)	0.1Ω	*	*	*	*
Capacitance	40mF	±(3.0%+5d)	0.01nF	100μF	*	*	*
Frequency	10MHz	±(1.2%+3d)	0.01MHz	100kHz	*	4kHz	4kHz
Temperature	1000°C/1832°F	±(3.0%+5d)	1°C/°F	*		*	*

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case, 9V battery and Temperature probe (3343T/3345/3347)

USB cable and Software(3347W)

3340/3341/3342/3343 Series Professional AC, AC/DC Clamp Meters provide many functions for professional AC, AC/DC measurements including resistance, capacitance and diode test, etc. With mid-size and tear-drop shaped jaw, it is easy to use in crowded cable areas and other tight places.



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Double molded housing
1000A Clamp Meters
Features

	3340	3341	3342	3343
Digital display counts	2000	4000	2000	4000
Electronic overload protection	*	*	*	*
Continuity buzzer & Diode check	*	*	*	*
Data Hold function	*	*	*	*
DCA Zero function				*
MAX Hold function	*		*	
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
AC/DC Current				*
1.2" (30mm) Clamp jaw opening	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3340	3341	3342	3343
DC Current	1000A	±(2.5%+5d)	1mA				*
AC Current	1000A	±(3.0%+4d)	10mA	*	*	*	*
DC Voltage	600V	±(0.8%+2d)	0.1mV	*	*	*	*
AC Voltage	600V	±(1.0%+4d)	0.1mV	*	*	*	*
Resistance	20MΩ	±(1.0%+4d)	0.1Ω	*		*	
	40MΩ	±(1.0%+4d)	0.1Ω		*		*
Capacitance	100.0uF	±(3.0%+5d)	0.01nF		*		*
Frequency	10MHz	±(1.2%+3d)	0.001Hz		*		
	20kHz	±(1.2%+3d)	0.01kHz			*	
	100kHz	±(1.2%+3d)	0.001Hz				*
Duty Cycle	99.9%	±(1.2%+3d)	0.1%		*	*	*
Temperature	1000°C/1832°F	±(3.0%+3d)	0.1°C/°F		*	*	*

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case & 9V battery, two "AAA" batteries(3340)

Temperature probe(3341/3343)


Model 3343

Model 3340

Model 3341


The 350 series clamp meters offer all the features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places. Meter controls are positioned so that current measurements can be done with one hand. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc. It is easy with the inrush current function (on most models).

- Double molded plastic housing
- Auto Power Off



Model 350



Model 351



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EN: 61010-1,
EN: 61010-02-031



Features

	350	351
Current measurement	AC	AC/DC
LCD display counts	4000	4000
Data Hold	*	*
REL (Zero) Function	*	*
Auto Power Off	*	*
Low battery indication	*	*
1.2" (30mm) Jaw opening	*	*
NCV Detection	*	*

Specifications

Function	Max Range	Basic Accuracy	350	351
Voltage DC	600V	$\pm(0.5\%+1d)$	*	*
Voltage AC	600V	$\pm(1.5\%+2d)$	*	*
Current DC	400A	$\pm(2.0\%+5d)$		*
Current AC	400A	$\pm(2.5\%+4d)$	*	*
Resistance	40M Ω	$\pm(3.0\%+5d)$	*	*
Temperature	760°C/ 1400°F	$\pm(3.0\%+3d)$	*	*
Capacitance	100uF	$\pm(2.5\%+5d)$	*	*
Frequency	10MHz	$\pm(1.2\%+2d)$	*	10kHz
Continuity check	Buzzer sounds at 50 Ω			
Diode test	Test current 0.3mA			

Size(HxWxD): 198mm x 66mm x 36mm
Weight: 230g

Accessories:

Test leads, gift box with carrying case, Temperature probe and Two "AAA" 1.5V batteries.



The 355 series clamp meters offer all the features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places. Meter controls are positioned so that current measurements can be done with one hand. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA
- Auto Power Off

Features

	355	356	357	355W	356W
Current measurement	AC	AC/DC	AC/DC	AC	AC/DC
LCD display counts	6000	6000	40000	6000	6000
AC True RMS	*	*	*	*	*
Display with backlight	*	*	*	*	*
Data Hold	*	*	*	*	*
Max /Min	*	*	*	*	*
REL (Zero) Function	*	*	*	*	*
Auto Power Off	*	*	*	*	*
Low battery indication	*	*	*	*	*
Analog Bargraph / 61 seg.	*	*	*	*	*
1.57" (40mm) Jaw opening	*	*	*	*	*
NCV Detection	*	*	*	*	*
USB interface				*	*
Wireless transmitter				433MHz	915MHz
Receive Sensitivity				-109dBm	
Communication Distance				$\leq 100m$	

Specifications

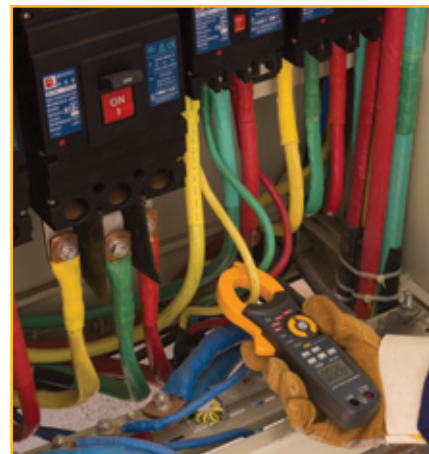
Function	Max Range	Basic Accuracy	355/355W	356/356W	357
Voltage DC	600V	$\pm(0.5\%+1d)$	*	*	*
Voltage AC	600V	$\pm(1.5\%+2d)$	*	*	*
Current DC	1000A	$\pm(2.0\%+5d)$		*	*
Current AC	1000A	$\pm(2.5\%+4d)$	*	*	*
Resistance	60M Ω	$\pm(3.0\%+5d)$	*	*	*
Temperature	760°C/ 1400°F	$\pm(3.0\%+3d)$	*	*	*
Capacitance	4000uF	$\pm(2.5\%+5d)$	*	*	*
Frequency	10MHz	$\pm(1.2\%+2d)$	*	10kHz	10kHz
Inrush Current	600A	$\pm(1.5\%+2d)$			*
Continuity check	Buzzer sounds at 50 Ω				
Diode test	Test current 0.3mA				

Size(HxWxD): 230mm x 76mm x 40mm
Weight: 315g



Accessories:

Test leads, gift box with carrying case, Temperature probe and 9V battery.
USB cable and Software(355W/356W)



True RMS



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Model 356



Model 355

True RMS (363/366)

Inrush current (366)



Model 360


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 EN: 61326
 EN: 61010-1,
 EN: 61010-02-031


Model 362



Model 363



The 360 series clamp meters offer all the features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places. Meter controls are positioned so that current measurements can be done with one hand. A large backlit display is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc. is easy with the inrush current function (366 only).

- Double molded plastic housing
- Inrush current function (366 only)
- Auto Power Off

Features

	360	361	362	363	366	367
Current measurement	AC	AC	AC/DC	AC/DC	AC/DC	AC
Max. Resolution	1mA	1mA	10mA	10mA	10mA	10mA
LCD display counts	2000	4000	4000	4000	6000	4000
AC True RMS				*	*	*
Display with backlight	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*
Max Hold	*					
Zero Function			*	*	*	*
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
Peak Current				*		
Inrush Current					*	
1.2" (30mm) Jaw opening	*	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	360	361	362	363	366	367
Voltage DC	600V	$\pm(0.5\%+1d)$	*	*	*	*	*	*
Voltage AC	600V	$\pm(1.5\%+2d)$	*	*	*	*	*	*
Current DC	400A	$\pm(2.0\%+5d)$			*	*	600A	
Current AC	400A	$\pm(2.5\%+4d)$	*	*	*	*	*	*
Resistance	40M Ω	$\pm(3.0\%+5d)$	20M Ω	*	*	*	60M Ω	*
Temperature	1000°C/ 1832°F	$\pm(3.0\%+3d)$		*	*	*	*	*
Capacitance	100uF	$\pm(2.5\%+5d)$			*	*	40mF 60mF	*
Frequency	10MHz	$\pm(1.2\%+2d)$			*	*	*	*
Inrush Current	600A	$\pm(1.5\%+2d)$					*	
Continuity check	Buzzer sounds at 50 Ω		*	*	*	*	*	*
Diode test	Test current 0.3mA		*	*	*	*	*	*

Size(HxWxD): 197mm x 70mm x 40mm

Weight: 183g

Accessories:

Test leads, gift box with carrying case, Temperature probe(361,362, 363, 366, 367only) and 9V battery.

Drop-proof to 2M

Heavy Duty housing design

The 370/371 series heavy duty clamp meters offer all the features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places. Meter controls are positioned so that current measurements can be done with one hand. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc.

Model 370

Features

	370	371
Current measurement	AC	AC/DC
LCD display counts	4000	4000
Compact size	*	*
REL (Zero) Function	*	*
Auto Power Off & Data Hold	*	*
Low battery indication	*	*
1.2" (30mm) Jaw opening	*	*
NCV Detection	*	*

Specifications

Function	Max Range	Basic Accuracy	370	371
Voltage DC	600V	$\pm(0.5\%+1d)$	*	*
Voltage AC	600V	$\pm(0.5\%+2d)$	*	*
Current DC	400A	$\pm(2.0\%+5d)$		*
Current AC	400A	$\pm(2.5\%+4d)$	*	*
Resistance	40M Ω	$\pm(3.0\%+5d)$	*	*
Temperature	760°C/ 1400°F	$\pm(3.0\%+3d)$	*	*
Capacitance	100uF	$\pm(2.5\%+5d)$	*	*
Frequency	10MHz	$\pm(1.2\%+2d)$	*	10kHz
Continuity check	Buzzer sounds at 50 Ω			
Diode test	Test current 0.3mA			


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Size(HxWxD): 230mm x 82mm x 40mm

Weight: 230g

Accessories:

Test leads, gift box with carrying case, Temperature probe and Two“AAA”1.5V batteries.



3 in 1 Mini AC, AC/DC Clamp Meters



Features

	35	36
True RMS		*
AC/DC Voltage, Resistance, Continuity, Diode check	*	*
Digital display counts	2000	2000-9999
0.7" Jaw opening	*	*
Non-contact Voltage detector and Flashlight	*	*
AC Current	*	*
DC Current		*
Data Hold function		*
MAX/MIN function	MAX	*
DCA Zero function		*
Peak Hold function		*
Auto Power Off	*	*
Low battery indication	*	*
Backlight Display	*	*

Specifications

Function	Max Range	Basic Accuracy	35	36
AC Current	200A	±(2.5%+8d)	*	*
DC Current	200A	±(2.0%+5d)		*
Voltage DC	600V	±(0.5%+1d)	0.2-600V auto	600.0V
Voltage AC	600V	±(1.5%+2d)	0.2-600V auto	600.0V
Resistance	20MΩ	±(3.0%+5d)	0.2k-20MΩ auto	999.9Ω
Diode	Open circuit voltage 1.5V, Test current 0.3mA (FC-35 only)			
Continuity	Buzzer sounds at 100Ω			
Non-contact	Voltage detection : 100-600VAC			

Size(HxWxD): 178mm x 65mm x 32mm

Weight: 170g

Accessories:

Test leads, clamshell with carrying case and Two "AAA" 1.5V batteries.



The FC-31/32/33 Series are designed to verify the presence of load current, Non-contact Voltage and Flashlight, etc. The small bodies and jaws fit perfectly in your hand and a large backlit display is easy to read.



Model FC-33



Model FC-32



Model FC-31

Non-Contact Voltage Detector

- Flashlight
- Digital Clamp Meter



Rubber Protection



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031

Features

	31	32	33
Digital display counts	2000	2400	2400
Jaw opening	0.7"	0.7"	0.7"
Non-contact Voltage detector and Flashlight	*	*	*
Non-contact Frequency measurements		*	
AC/DC Current		*	*
AC/DC Leakage Current Tester			*
Data Hold function	*	*	*
MAX Hold function	*		
DCA Zero function		*	*
Auto Power Off	*	*	*
Low battery indication	*	*	*
Backlight Display		*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	31	32	33
AC Current	2A	$\pm(3.0\%+8d)$	1mA			*
	20A	$\pm(3.0\%+8d)$	10mA	*		
	80A	$\pm(3.0\%+8d)$	100mA			*
DC Current	2A	$\pm(2.8\%+8d)$	1mA			*
	80A	$\pm(2.8\%+8d)$	100mA			*
	200A	$\pm(3.0\%+8d)$	100mA	*	*	
Frequency	40~51Hz	$\pm(1.2\%+5d)$	0.01Hz		*	
	51~510Hz	$\pm(1.2\%+3d)$	0.1Hz		*	
	0.51~1kHz	$\pm(1.2\%+3d)$	0.001kHz		*	

Non-contact Voltage detection : 100~600VAC

Size(HxWxD): 164mm x 65mm x 32mm

Weight: 151g

Accessories:

Clamshell with carrying case and Two "AAA" 1.5V batteries.



High Resolution



Model 337



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Features

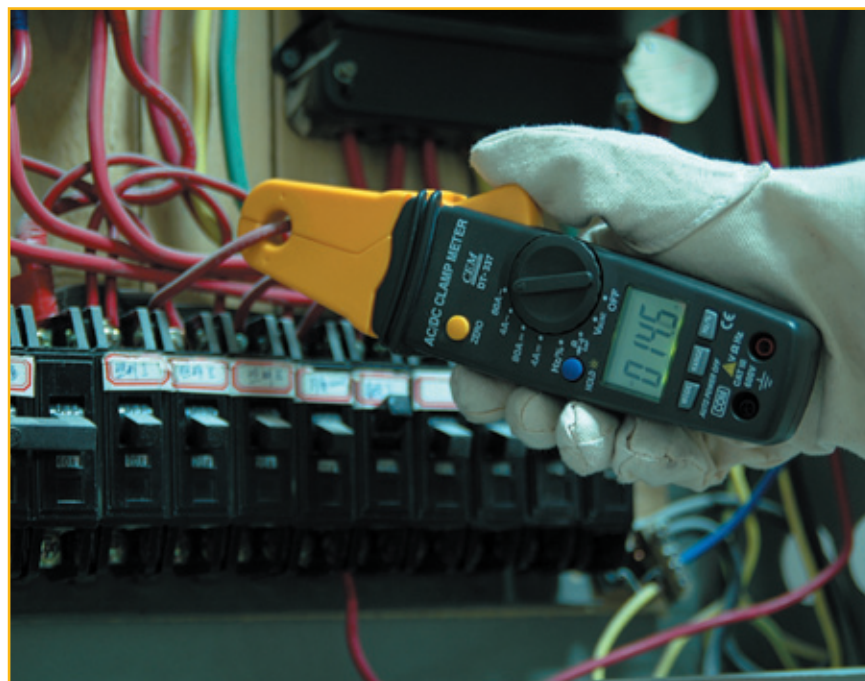
Jaw opens to 0.5"
1mA high resolution
Digital clamp tester for AC/DC current measurement
Providing wide measuring range from very small to large current
Designed to safety standard IEC 61010-2-032: CAT III 600V and pollution degree 2.
Data hold and Max hold function
Dynamic range of 4000 counts full scale
Auto power off

Specifications

Function	Range	Max. Resolution	Basic Accuracy
Current AC	4A, 80A	1mA	±(2.5%+5d)
Current DC	4A, 80A	1mA	±(2.5%+4d)
Voltage AC	400mV~600V	0.1mV	±(2.0%+4d)
Voltage DC	400mV~600V	0.1mV	±(1.5%+3d)
Resistance	400Ω~40MΩ	0.1Ω	±(1.5%+2d)
Frequency	5Hz~10MHz	0.001Hz	±(1.2%+3d)
% Duty	5%~99.9%	0.1%	±(1.2%+3d)
Diode Check	Test current of 0.3mA, Open circuit voltage 1.5V		
Continuity Check	Threshold 50Ω, continuity beeper 2.7kHz		

Size(HxWxD): 210mm x 70mm x 37mm

Weight: 200g



Accessories:

Test leads, Gift box with carrying case, 9V battery.

The 330 series are designed to verify the presence of load current, voltage and resistance, etc. The small bodies and jaws fit perfectly in your hand and a large backlit display is easy to read.

- Test lead μA range with high 0.1 μA resolution for HVAC and Process control applications (335/336 only)
- Data Hold freeze the displayed value
- Auto Power Off

Features

	330	331	332/ 332T	333/ 333T	335	336
Max. Resolution to Current measurement	AC 1mA	AC 1mA	AC/DC 10mA	AC/DC 10mA	AC/DC 0.1uA	AC/DC 0.1uA
LCD display counts	2000	2000	4000	4000	4000	4000
AC True RMS			332T	333T		
Display with backlight	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*
Max Hold	*	*				
Zero Function			*	*	*	*
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
AC/DC Current			*	*		
0.9" (23mm) Jaw size	*	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	330	331	332	333	335	336
Voltage DC	600V	±(0.5%+1d)	*	*	*	*	*	*
Voltage AC	600V	±(1.5%+2d)	*	*	*	*	*	*
Current DC	400A	±(2.5%+5d)			*	*		
Current AC	400A	±(3.0%+4d)	*	*	*	*	*	*
Resistance	20MΩ	±(3.0%+5d)	*	*	40MΩ	40MΩ	40MΩ	40MΩ
Temperature	1000°C/ 1832°F	±(3.0%+3d)		*		*	*	
Capacitance	100uF	±(2.5%+5d)			*	*	*	*
Frequency	150KHz 10MHz	±(1.2%+2d)			*	*	*	*
Continuity	Buzzer sounds at 100Ω		*	*	*	*	*	*
Diode	Test current 0.3mA; Open circuit voltage 1.5V		*	*	*	*	*	*

Size(HxWxD): 205mm x 70mm x 37mm

Weight: 200g

Accessories:

Test leads, gift box with carrying case, Temperature probe(331, 333, 335 only) and Two "AAA" 1.5V batteries.



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EN: 61010-1,
EN: 61010-02-031



Model 333



Model 330



Model 332



Model 3310

3310 Series Professional 1000A/2000A AC, AC/DC Clamp Meters provide many functions for professional AC, AC/DC measurements including resistance, capacitance and diode test, etc. With mid-size and tear-drop shaped jaw, it is easy to use in crowded cable areas and other tight places.



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EN: 61010-1, EN: 61010-02-031

Features

	3310	3311
Current measurements	AC	AC
Digital display counts	4000	4000
Electronic overload protection	*	*
Continuity buzzer & Diode check	*	*
Data Hold function	*	*
Auto Power Off	*	*
Low battery indication	*	*
Display with backlight	*	*
2.16" (55mm) Clamp jaw opening	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3310	3311
AC Current	1000 A	$\pm(2.5\%+5d)$	100mA	*	*
AC Voltage	1000V	$\pm(1.0\%+4d)$	0.1mV	*	*
DC Voltage	1000V	$\pm(0.5\%+4d)$	0.1mV	*	*
Resistance	40M Ω	$\pm(1.0\%+2d)$	0.1 Ω	*	*
Capacitance	40mF	$\pm(3.0\%+5d)$	0.01nF	*	*
Frequency	10MHz	$\pm(1.2\%+2d)$	0.001Hz	*	*



Model 3311

Size(HxWxD): 270mm x 107mm x 50mm
Weight: 554g

Accessories:
Test leads, gift box with carrying case, 9V battery.



3312/3313/3315 Series Professional 2000A AC, AC/DC Clamp Meters provide many functions for professional AC, AC/DC measurements including resistance, capacitance and diode test, etc. With mid-size and tear-drop shaped jaw, it is easy to use in crowded cable areas and other tight places.



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EN: 61010-1, EN: 61010-02-031



Features

	3312	3313	3315
Current measurements	AC	AC/DC	AC/DC
True RMS measurements			*
Digital display counts	4000	4000	4000
Electronic overload protection	*	*	*
Continuity buzzer & Diode check	*	*	*
Data Hold function	*	*	*
DCA Zero function	*	*	*
Auto Power Off	*	*	*
Low battery indication	*	*	*
Display with backlight	*	*	*
2.16" (55mm) Clamp jaw opening	*	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3312	3313	3315
AC Current	2000A	$\pm(2.5\%+5d)$	100mA	*	*	*
DC Current	2000A	$\pm(2.5\%+5d)$	100mA		*	*
AC Voltage	1000V	$\pm(1.0\%+4d)$	0.1mV	*	*	*
DC Voltage	1000V	$\pm(0.5\%+4d)$	0.1mV	*	*	*
Resistance	40M Ω	$\pm(1.0\%+2d)$	0.1 Ω	*	*	*
Frequency	10MHz	$\pm(1.2\%+2d)$	0.001Hz	*	*	*



Size(HxWxD): 270mm x 107mm x 50mm
Weight: 554g

Accessories:
Test leads, gift box with carrying case, 9V battery.

Model 3313



Model 3315



Model 3312



Model 3348



1000A True RMS

DC/AC True Power to 240kW



EMC & LVD
EN: 61326
EN: 61010-1, EN: 61010-02-031

3348 Professional True RMS 1000A AC/DC Watt Clamp Meter provides accurate Watt, AC/DC Current and Voltage readings regardless of waveforms.

- Double molded housing
- Auto Power Off

Features

True RMS AC Voltage and Current
DC and AC True Power to 240kW
1.2" (30mm) Clamp jaw opening
Electronic overload protection
Continuity buzzer & Diode check
Data Hold function
DCA Zero function
Auto Power Off
Low battery indication
AC/DC Current

Specifications

Function	Max Range	Max. Resolution	Basic Accuracy
AC Current	1000 A	0.1A	±(2.5%+5d)
DC Current	1000 A	0.1A	±(3.0%+4d)
AC Voltage	600V	0.1mV	±(0.8%+2d)
DC Voltage	600V	0.1mV	±(1.0%+4d)
Resistance	40MΩ	0.1Ω	±(1.0%+4d)
Frequency	10MHz	0.01MHz	±(1.2%+3d)
AC Power	240kW	10W	±(3.0%+5d)
DC Power	240kW	10W	±(2.5%+5d)

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case & 9V battery

Model 3353

3353 Professional True RMS 1000A AC Watt Clamp Meter provides accurate Watt, AC Current and Voltage readings regardless of waveforms.



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031

1000A True RMS

DC/AC True Power to 750kW

Features

Analysis for Single Phase and Balanced 3 phase system
True RMS Value (Voltage and Current)
Large LCD Display with Backlight
USB interface
4 digits with dual display LCD
MIN / MAX measurement
True power / apparent power / power factor measurement
Data Hold
Auto Ranging
Overflow Indication
Auto Power Off
Manual Data Memory and Read (99 sets)
NCV Detection
2.16" (55mm) Jaw opening

Specifications

Function	Range	Basic Accuracy
AC Voltage	15V/100V/300V/750V	±(1.2%+5)
AC Current	40A/100A/400A/1000A	±(2%+5)
True Power	0.60kW—750kW	±(3%+5)
Apparent Power	0.60kVA—750kVA	±(3%+5)
Reactive Power	0.60kVAr—750kVAr	±(4%+20) of 15V/1000A else ±(4%+5)
Power Factor	0.3-1	±(2%+20)
Phase Angle	0°-90°	±1°
Frequency	20Hz-200Hz	±(0.5%+5)
Energy	1-9999kWh	±(3%+2)

Size(HxWxD): 295mm x 100mm x 46mm

Weight: 537g

Accessories:

Test leads, gift box with carrying case and 9V battery, USB Cable, CD Software.



AC leakage current tester 9809 is a multifunction clamp meter with very good resolution of 10uA. It is very useful for power system check and installation. With the measuring range up to 100A, this tester is great for appliance installation or for car applications

- 10uA high resolution
- Large 3 3/4 (4000 counts) LCD display
- Auto Power Off
- Shielded transformer jaw opens to 1.2"
- Max/Min, Data Hold, Low battery indication
- Overload protection



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Specifications

Function	Range	Resolution	Basic Accuracy
Current AC	40mA~100A	10uA~100mA	±(2.0%+3d)
Voltage AC	400V	0.1V	±(1.5%+10d)
Resistance	40~400Ω	0.1Ω	±(1.0%+2d)
Continuity Test	Threshold 40Ω, Continuity Beeper 2.5KHz		
1.2" (30mm) Clamp jaw opening			

Size(HxWxD): 209mm x 43mm x 30mm

Weight: 200g

Accessories:

Test leads, holster, gift box with carrying case, 9V battery

DT-9810 Mini AC Leakage Current Tester



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Model 9810

- Shielded transformer jaw opens to 1.2"
- 100uA high resolution
- Least affected by external magnetic field, providing wide measuring range from very small to large current
- Designed to safety standard IEC 61010-2-032: over-voltage CAT.III, 300V and pollution degree 2.
- Data hold function to allow for easy reading in dimly lit or hard-to-reach locations
- Dynamic range of 2000 counts full scale
- Auto power off

Specifications

Range	Resolution	Basic Accuracy
200mA	0.1mA	± (2.5% + 8d)
2A	1mA	± (2.5% + 8d)
200A	0.1A	± (2.5% + 8d)

Size(HxWxD): 182mm x 61mm x 34mm

Weight: 225g

Accessories:

Gift box with carrying case and 9V battery

Features

Large transformer jaws of 68mm diameter makes it possible to clamp on all three or four wires (3 phases) together for leakage current measurement.
Frequency filter switch to eliminate the effect of the harmonics.
Measurement from mA up to AC 1000A
True RMS enables an accurate measurement for distorted waveforms.
Peak hold function
Data hold function: Allows for easy reading in dimly light or hard-to-reach locations
Large LCD display with backlight
International safety standard IEC61010-1 CAT.III 600V

Specifications

Function	Range	Range	Accuracy(50/60Hz)	Accuracy(40~1kHz)
AC Current	200mA	0.1mA	±(1.5%+10d)	±(3.0%+10d)
	2A	1mA	±(1.5%+10d)	±(3.0%+10d)
	20A	10mA	±(1.5%+10d)	±(3.0%+10d)
	200A	100mA	±(2.0%+10d)	±(3.5%+10d)
	1000A	1A	±(5.5%+10d)	±(10%+10d)
AC Voltage	600V	0.1V	±(1.0%+5d)	
DC Voltage	600V	0.1V	±(1.0%+5d)	
Resistance	600Ω	0.1Ω	±(1.0%+5d)	
Continuity Test	Threshold 40Ω, Continuity Beeper 2KHz			
Conductor size	Φ68mm max.			
Frequency response	40Hz-1kHz			
Effect of external stray	10mA AC max.			
magnetic field Φ15mm 100A				
Applicable standards	IEC 61010-1 CAT.III 600V IEC 61010-2-032			

Size(HxWxD): 250mm x 113mm x 45mm

Weight: 490g

Accessories:

Gift box with carrying case and 9V battery, Test leads.

DT-3355 Earth Ground Clamp Meter

Features

Large LCD display with backlight
Span of Jaw: 28mm for a long jaw; 32mm for a round jaw:
Protection Level: Double insulation
Structural Feature: In the jaw way
Range Shift: Automatic
External Magnetic Field: 40A/m
External Electric Field: 1V/m
Single Measuring Time: 1 second
Measurement Resistance Frequency: 1kHz
Maximum Resistance Measurement Resolution: 0.001 Ω
Resistance Measurement Range: 0.01-1000 Ω

Specifications

Function	Max Range	Max. Resolution	Basic Accuracy
Resistance	0.01~1000Ω	0.001Ω	±(1.0%+10d)
Current	0 ~ 20 A	1mA	±(2.5%+2d)

Size(HxWxD): 288mm x 100mm x 95mm

Weight: 1154g (for long jaw); 1120g (for round jaw).

Accessories:

Gift box with carrying case and 9V battery.



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Model 9812



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Model 3355

Model CP-03A

Model CP-03B



CP-03A/CP-03B High Resolution AC, AC/DC Clamp-on Adaptors. Providing non-invasive Current measurements to 4A with resolution to 1mA for AC, DC/AC Current. The adaptors are perfect for low current automotive, industrial control or appliance repair.

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy	CP-03A	CP-03B
Current	4A	100mV/A	0.01A/mV AC	±(2.5%+0.06A)	AC	
	40A	10mV/A	0.1A/mV DC/AC	±(2.5%+0.03A)	AC	DC/AC
	400A	1mV/A	1A/mV DC/AC	±(2.8%+0.03A)	AC	DC/AC
Clamp jaw opening		1.2" (30mm)				
Non-contact voltage detector		50-600VAC				



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1,
EN: 61010-02-031



Size(HxWxD): 150mm x 58mm x 35mm
Weight: 205g
Accessories:
Test leads, 9V battery and clamshell

CP-09 Smaller sized , convenient-to-use AC current clamp-on Adaptor

CP-09 is the ideal tool to extend the current ranges for all Multimeters.

The CP-09 is a 200A AC current clamp-on Adaptor with voltage output via a standard banana inputs to be connected to multimeters.

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy
Current AC	200A	1mV/A	1A/mV AC	±2%

0.7" (18mm) Clamp jaw opening

Size(HxWxD): 80mm x 66mm x 31mm

Weight: 80g

Accessories:

Test leads and clamshell



Model CP-09



Model CP-1000

Model CP-12



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



The CP-12/1000 are compatible with any Test Tool, Power Harmonics Analyzer, Oscilloscope, Multimeter, or other voltage measurement device.

- CP-12 AC Clamp-on Adaptor provides non-invasive Current measurements to 10A with resolution to 10mA for AC Current.
- CP-1000 is an AC/DC Clamp-on Adaptor.

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy	CP-12	CP-1000
Current ACA/DCA	10A	1mV/100mA	0.1A/mV DC	±(3.0%+0.06A)	AC	
	100A	1mV/A	1A/mV DC	±(3.5%+0.03A)	AC	
	600A	0.1mV/A	10A/mV DC	±(3.0%+0.03A)		AC/DC
	1000A	0.1mV/A	10A/mV DC	±(3.0%+0.03A)	AC	AC/DC
Clamp jaw opening: 1.2" (30mm)						

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case and 9V battery.

CP-10/11 High Resolution Mini AC/DC Clamp-on Adaptors

The CP-10/11 are compatible with any Test Tool, Power Harmonics Analyzer, Oscilloscope, Multimeter, or other voltage measurement device.

- 0.5" (12.5mm) Clamp jaw opening (CP-10)
- 0.9" (23mm) Clamp jaw opening (CP-11)

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy	CP-10	CP-11
Current AC/DC	2A	100mV/A	0.01A/mV AC/DC	±3.5%	*	
	80A	10mV/A	1A/mV AC/DC	±3.5%	*	
	40A	10mV/A	0.1A/mV AC/DC	±3.5%		*
	400A	1mV/A	1A/mV AC/DC	±3.5%		*

Size(HxWxD): 190mm x 70mm x 40mm

Weight: 200g

Accessories:

Test leads, gift box with carrying case and 9V battery.



Model CP-10

Model CP-11