



DT-3310/3311/3312/3

316

### AC, AC/DC Clamp Meters

DT-3310 Series Professional 1000A AC Clamp Meters provide many functions for professional AC current and voltage 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.



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



Features	DT-3310	DT-3311	DT-3312	DT-3316
Current measurements	AC	AC	AC	AC/DC
Digital display counts	4000	4000	4000	4000
Electronic overload protection	*	*	*	*
Continuity buzzer & Diode check	*	*	*	*
Data Hold function	*	*	*	*
Peak Hold				*
DCA Zero function			*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
Display with backlight	*	*	*	*
2.16" (55mm) Clamp jaw opening	*	*	*	*

Size (H x W x D): 270mm x 107mm x 50mm  
Weight: 554g

Specifications							
Function	Max Range	Basic Accuracy	Max. Resolution	DT-3310	DT-3311	DT-3312	DT-3316
AC Current	2000 A	$\pm(2.5\%+5d)$	100mA	1000A	1000A	*	*
DC Current	2000 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 $\Omega$	$\pm(1.0\%+2d)$	0.1 $\Omega$	*	*	*	*
Frequency	10MHz	$\pm(1.2\%+2d)$	0.001Hz	*	*	*	*
Capacitance	40mF	$\pm(3.0\%+5d)$	0.01nF	*	*		

## Applications



### AC, AC/DC Clamp Meters

DT-3310 Series Professional 1000A AC Clamp Meters provide many functions for prof current and voltage 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.



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



## DT-3353

### DIGITAL T-RMS AC/DC CLAMP ON POWER METER

This is a 9999 counts Backlit LCD display, Digital T-RMS AC/DC clamp on power meter. It is used to measure power parameters like kW, kVA, power factor for three phase and single phase loads.

It has USB PC Interface for Data Collection and Storage. Has max /min Record Function, Data Hold Function, Data Logging facility, Non Contact Voltage Detector Function, Low Battery and Overload Indication.

Measures AC Current upto 1000A T-RMS, DC Voltage, Active Power, Apparent Power, Reactive Power, Power Factor, Phase Angle Active Energy. These can be done on three Phase and single Phase Location.

Temperature Measurement is also possible.

# DT-3353

## Digital T-RMS Ac/Dc Clamp On Power Meter

Item	Description	Qty
1	English Operating Manual	1 piece
2	Red Test Lead	3 piece
3	Black Test Lead	1 piece
4	Red Alligator Clip	3 piece
5	Black Alligator Clip	1 piece
6	USB Interface Cable	1 piece
7	Software	1 piece
8	Tool Box	1 piece
9	9V Battery	1 piece
10	Test Certificate	1 piece

### Safety Information

This Meter complies with the standards IEC61010: in pollution degree 2, overvoltage category (CAT. III 600V, CAT IV 300V) and double insulation.

CAT. III: Distribution level, fixed installation, with smaller transient overvoltages than CAT.IV: Primary supply level, overhead lines, cable systems etc.

### General Specifications

Basic Functions	Range	Best Accuracy
AC Voltage	100V/400V/750V	±(1.2%+5digits)
AC Current	40A/100A/400A/1000A	±(2%+5 digits)
Active Power	0.01kW-750kW	±(3%+5 digits)
Apparent Power	0.01kVA-750kVA	±(3%+5 digits)
Reactive Power	0.01kVAR-750kVAR	±(4%+5 digits)
Power Factor	0.3~1(Capacitive or Inductive )	±(0.02+2 digits)
Phase Angle	0°~90°	±20
Frequency	50Hz-200Hz	✓
Active Energy	0.001~9999 kWh	±(3%+2 digits)
Temperature	-50°C~1300°C -58°F~2372°F	
Special Functions	Range	Best Accuracy
Auto Ranging		✓
Single-phase 2-wire		✓
Balance 3-phase 3-wire		✓
3-phase 4-wire		✓
True RMS	AC Voltage or Current	✓
Data Logging	99	✓
Data Recall		✓
Max/Min Mode		✓
Data Hold		✓
USB		✓
Display Backlight		✓
Full Icon Display		✓
Sleep Mode		✓
Low Battery Display		✓
Input Impedance for AC Voltage Measurement	Around 10MΩ	✓
Max. Display	9999	✓
Analogue Bar Graph		✓

Contact :

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### Electrical Specifications

Accuracy: (a% reading + b digits), guarantee for 1 year.

Operating temperature: 23±5

Operating humidity: 45~75%R.H

#### A. AC Voltage (True RMS)

Range	Resolution	Accuracy	Allowable Maximum overload protection voltage	Input Impedance	Frequency Range
100V	0.1V	±(1.2%+5)	750 RMS	10M	50Hz~200Hz
400V					
750V					

#### B. Frequency

Range	Resolution	Accuracy
50Hz~200Hz	1Hz	±(0.5%+5)

#### C. AC Current (True RMS)

Range	Resolution	Accuracy	Allowable Maximum overload protection current	Frequency Range
40A	0.1A	±(2%+5)	1000A RMS	50Hz~60Hz
100A				
400A				
1000A	1A			

#### D. Active Power (W=V x A x COSθ)

Current / Voltage		Voltages Range		
		100V	400V	750V
Current Range	40A	4.00KW	16.00KW	30.00KW
	100A	10.00KW	40.00KW	75.00KW
	400A	40.00KW	160.0KW	300.0KW
	1000A	100.0KW	400.0KW	750.0KW
Accuracy		±(3%+5)		
Resolution		<1000KW: 0.01KW 100kW: 0.1KW		

#### E. Apparent Power (VA = V x A)

Current / Voltage		Voltages Range		
		100V	400V	750V
Current Range	40A	4.00KVA	16.00KVA	30.00KVA
	100A	10.00KVA	40.00KVA	75.00KVA
	400A	40.00KVA	160.0KVA	300.0KVA
	1000A	100.0KVA	400.0KVA	750.0KVA
Accuracy		±(3%+5)		
Resolution		<1000KVA: 0.01KVA 100kW: 0.1KVA		

#### F. Reactive Power (Var = V x A x SINθ)

Current / Voltage		Voltages Range		
		100V	400V	750V
Current Range	40A	4.00KVAr	16.00KVAr	30.00KVAr
	100A	10.00KVAr	40.00KVAr	75.00KVAr
	400A	40.00KVAr	160.0KVAr	300.0KVAr
	1000A	100.0KVAr	400.0KVAr	750.0KVAr
Accuracy		±(3%+5)		
Resolution		<1000KVAr: 0.01KVAr 100kW: 0.1KVAr		

#### G. Power Factor (PF = W / VA)

Range	Accuracy	Resolution	Measuring Condition
0.3 - 1 (capacitive or inductive)	±0.022	0.001	The minimum measuring current 10A The minimum measuring voltage 45V
0.3 - 1 (capacitive or inductive)	For reference only		Measuring current less than 10A OR Measuring voltage less than 45V

#### H. Phase Angle (PG=acos (PF))

Range	Accuracy	Resolution	Measuring Condition
0° - 90° (capacitive or inductive)	±2°	1°	The minimum measuring current 10A The minimum measuring voltage 45V
0° - 90° (capacitive or inductive)	For reference only		Measuring current less than 10A OR Measuring voltage less than 45V

#### I. Active Energy (kWh)

Range	Accuracy	Resolution
1~9999kWh	±(3%+2)	0.001kWh

Remarks:

- Allowable maximum overload protection voltage: 750V RMS
- Allowable maximum overload protection current: 1000A RMS

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## DT-3385/3386

### Professional Heavy Duty AC, AC/DC True RMS Autoranging Clamp Meters with Flexible Clamp

The 3385 series clamp meters offer all needed features for measurement, design for perfectly handhold and tight place testing. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Flexible current probe expands the measurement range to 2500ACA.



I Double molded plastic housing

I True RMS measurement for ACV & ACA

I Flexible current probe expands the measurement range to 3000 ACA for all models

I Dual type K inputs for temperature measuring support more application. (3387/3388)

I Flexible current probe expands the measurement range to 3000 ACA

Specifications				
Function	Max. Range	Basic Accuracy	3385	3386
Voltage DC	1000V	$\pm(0.1\%+4d)$	*	*
Voltage AC	1000V	$\pm(1.0\%+3d)$	*	*
Current DC	1000A	$\pm(2.5\%+5d)$		*
Current AC	1000A	$\pm(2.5\%+5d)$	*	*
Resistance	50M $\Omega$	$\pm(3.0\%+5d)$	*	*
Temperature	1000°C/ 1832°F	$\pm(1.0\%+2.5^\circ\text{C}/4.5^\circ\text{F})$	*	*
Capacitance	5mF	$\pm(3.5\%+10d)$	*	*
Frequency	10MHz	$\pm(0.3\%+2d)$	*	*
ACA flexible clamp	3000A	$\pm(2.8\%+8d)$	*	*
Continuity check	Buzzer sounds at 50 $\Omega$			
Diode test	Test current 0.3mA			

Features	3385	3386
Current measurement	AC	AC/DC
LCD display counts with backlight	50000	50000
3000A ACA Flexible clamp	*	*
AC True RMS	*	*
Flashlight	*	*
Data Hold & Peak Hold	*	*
Max / Min	*	*
REL (Zero) Function	*	*
Auto Power Off	*	*
Low battery indication	*	*
1.9" (48mm) Jaw opening	*	*
NCV Detection & flashlight	*	*
Inrush Current	*	*

Size(HxWxD): 230mm x 76mm x 40mm

Weight: 315g

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





# DT-9380/9380A/9381/9381A/9382

Professional 1000A AC, AC/DC True RMS Clamp Meters with TFT color LCD display

**FAMCO**  
هایپر صنعت



The 9380/9381/9382/9383 series clamp meters providing fast A/D converting sampling time, high accuracy, built-in datalogging offer all needed features for measurement. It is with modern bodies and jaws design for perfect handheld and tight place testing. A large backlit display (on most models) is easy to see and a handy data hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA
- Flexible current probe expands the measurement range to 3000 ACA (9383)



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-032  
EN: 61010-02-033



- Fast response time
- True RMS

- TFT color LCD display (9382/9383)
- PC Calibration



## Features

	9380	9380A	9381	9381A	9382	9383
Current measurement	AC	AC	AC/DC	AC/DC	AC/DC	AC/DC
Display counts	4000	6000	4000	6000	6000	50000
1.8" TFT color LCD display counts					*	*
AC True RMS	*	*	*	*	*	*
10kHz bandwidth (voltage/current)						*
Data Hold & Peak Hold		*		*	*	*
Max /Min Hold	*		*	*	*	*
REL (Zero) Function			*	*	*	*
Flashlight and Backlight	*	*	*	*	Flashlight	Flashlight
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
100ms Inrush current		*		*	*	*
Low input impedance prevents false readings due to "ghost voltage" (LoZ)		*		*	*	*
Low pass filter for accurate measurement of variable frequency drive (VFD) signals		*		*	*	*
1.9" (48mm) Jaw opening	*	*	*	*	*	*
Bluetooth interface					*	*
3000A ACA flexible clamp					*	*
Trend capture function					*	*
Fast response time					10 times/sec.	20 times/sec.
100 Graph Data review					*	*
NCV Function	*	*	*	*	*	*

## Specifications

Function	Max Range	Basic Accuracy	9380	9380A	9381	9381A	9382	9383
Voltage DC	1000V	±(0.5%+2d)	*	*	*	*	*	±(0.09%+2d)
Voltage AC	1000V	±(1.0%+5d)	*	*	*	*	*	±(0.5%+5d)
Current DC	1000A	±(2.0%+5d)			*	*	*	±(2.0%+5d)
Current AC	1000A	±(2.5%+8d)	*	*	*	*	*	±(2.5%+8d)
ACA flexible	3000A	±(2.5%+8d)					*	±(2.5%+8d)
Resistance	60MΩ	±(3.0%+5d)	40MΩ	*	40MΩ	*	*	±(2.0%+5d)
Temperature	1000°C/ 1832°F	±(1.0%+3d)	*	*	*	*	*	±(1.0%+3d)
Capacitance	100mF	±(2.5%+5d)	*	*	*	*	*	±(2.5%+5d)
Frequency	10kHz	±(0.5%+2d)	*	*	*	*	*	±(0.5%+2d)
Inrush Current	1000A	±(2.5%+2d)		*		*	*	±(2.5%+2d)
Continuity check	Buzzer sounds at 50Ω							
Diode test	Test current 0.3mA							

Size(HxWxD): 250mm x 78mm x 40mm

Weight: 350g

Accessories:

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Model 9380

Model 9381

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