

This is a full range of AC/DC digital clamp meters. Model 2003A has been synonymous with an excellent AC/DC digital clamp meter since its introduction more than 10 years ago. It can measure up to 2000A AC and DC. The instrument is widely recognized as a high function, high quality digital clamp meter.

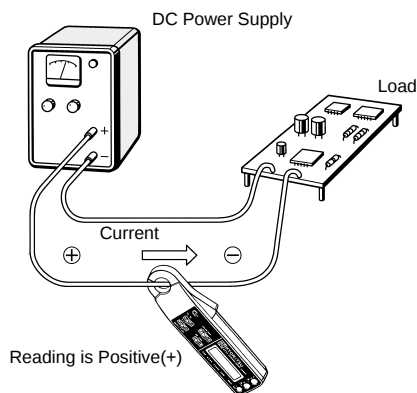
Selection Guide

MODEL	2033	2004	2003A	2009A	2010
AC A	● 300A	● 200A	● 2000A	● 2000A	● 20A
AC V		● 500V	● 750V	● 750V	
DC A	● 300A	● 200A	● 2000A	● 2000A	● 20A
DC V		● 200V	● 1000V	● 1000V	
Ω		● 200Ω	● 4000Ω	● 4000Ω	
Data Hold	●	●	●	●	●
Peak Hold				●	
MAX Hold			●		
Average				●	
Hz				● 4000Hz	
Output			●	●	●
True RMS				●	

Specifications

MODEL	Model 2003A	Model 2004	Model 2033	Model 2009A	Model 2010
AC A	400A(0~400A) ±1.5%rdg±2dgt(50/60Hz) ±3%rdg±4dgt(40~1kHz) 2000A(0~1700A) ±1.5%rdg±2dgt(50/60Hz) ±3%rdg±4dgt(40~1kHz) 2000A(1701~2000A) ±3%rdg±2dgt(50/60Hz)	20/200A ±1%rdg±2dgt(20A)(50/60Hz) ±1.5%rdg±4dgt(20A)(40Hz~1kHz) ±1.5%rdg±4dgt(0~150A)(50/60Hz) ±2%rdg±5dgt(0~150A) (40Hz~1kHz) ±3.5%rdg(>150A)(40Hz~1kHz)	40/300A ±1%rdg±4dgt(0~40A)(50/60Hz) ±2.5%rdg±4dgt(0~40A)(20Hz~1kHz) ±1.5%rdg±4dgt(20~200A)(50/60Hz) ±2.5%rdg±4dgt(20~200A)(20Hz~1kHz) ±3.5%rdg(200~300A)(50/60Hz) ±4%rdg(20~300A)(20Hz~1kHz)	400A(0~400A)(True-RMS) ±1.5%rdg±3dgt(50/60Hz) ±3%rdg±4dgt(30~1kHz) 2000A(0~1700A)(True-RMS) ±1.5%rdg±2dgt(50/60Hz) ±3%rdg±4dgt(30~1kHz) 2000A(1701~2000A)(True-RMS) ±3%rdg±3dgt(50/60Hz)	200mA/2/20A ±1%rdg±2dgt(200mA)(50/60Hz) ±1.5%rdg±4dgt(200mA) (40Hz~2kHz) ±1%rdg±2dgt(2A)(50/60Hz) ±2.5%rdg±5dgt(2/20A) (40Hz~2kHz)
AC V	400/750V ±1.5%rdg±2dgt(50/60Hz) ±1.5%rdg±4dgt(40~1kHz)	500V ±1.5%rdg±2dgt(50/60Hz) ±2%rdg±4dgt(40Hz~1kHz)	—	40/400/750V(Tru-RMS) ±1.5%rdg±3dgt(50/60Hz) ±1.5%rdg±4dgt(30~1kHz)	—
DC A	400/2000A ±1.5%rdg±2dgt	20/200A ±1%rdg±2dgt(20A) ±1.5%rdg±2dgt(0~150A) ±3%rdg(>150A)	40/300A ±1%rdg±4dgt(0~±40A) ±1.5%rdg±4dgt(±20~±200A)	400/2000A ±1.5%rdg±2dgt	2/20A ±1%rdg±2dgt(2A) ±1.5%rdg±4dgt(20A)
DC V	400/1000V ±1%rdg±2dgt	200V ±1%rdg±2dgt	—	40/400/1000V ±1%rdg±2dgt	—
Ω	400/4000Ω ±1.5%rdg±2dgt	200Ω ±1.5%rdg±2dgt	—	400/4000Ω ±1.5%rdg±2dgt	—
Continuity buzzer	buzzer sounds below 50±35Ω	—	—	buzzer sounds below 20Ω	—
Frequency	—	—	—	10 ~ 4000Hz ±1.5%rdg±5dgt	—
Output Voltage	400/2000A DC400mV/200mV	—	—	400/2000A DC400mV/200mV	200mV DC for 200mA AC/DC and 2A/20A AC/DC full scale
Conductor Size	φ 55mm max.	φ 19mm max.	φ 24mm max.	φ 55mm max.	φ 7.5mm max.
Safety Standard	IEC61010-1 CAT. III 600V CAT. II 1000V IEC61010-2-031,IEC61010-2-032	—	IEC61010-1CAT. III 300V IEC61010-2-032	IEC61010-1CAT. III 600V CAT. II 1000V IEC61010-2-031,IEC61010-2-032	—
Frequency Response	40Hz~1kHz	DC, 40Hz ~ 1kHz	DC, 20Hz~1kHz	40Hz~1kHz	DC, 40Hz~2kHz
Withstand Voltage	5550V AC for 1 minute	1000V AC for 1 minute	3700V AC for 1 minute	5550V AC for 1 minute	750V AC for 1 minute
Power Source	R6P(AA)(1.5V)×2	R6P(AA)(1.5V)×2	LR-44(1.5V)×2	6F22(9V)×1	6LF22(9V)×1 or AC Adaptor
Dimensions	250(L)×105(W)×49(D)mm	180(L)×54(W)×31(D)mm	147(L)×59(W)×25(D)mm	250(L)×105(W)×49(D)mm	142(L)×64(W)×26(D)mm 153(L)×23(W)×18(D)mm Clamp Sensor
Weight	530g approx.	170g approx.	100g approx.	540g approx.	220g approx.
Accessories	7107(Test Leads) 8201(Output Plug) 9094(Carrying Case) R6P(AA)×2 Instruction Manual	7066(Test Leads) 9055(Carrying Case) R6P(AA)×2 Instruction Manual	9090(Carrying Case) LR-44×2 Instruction Manual	7107(Test Leads) 8201(Output Plug) 9094(Carrying Case) 6F22×1 Instruction Manual	9071(Carrying Case) Alkaline 6LF22×1 Instruction Manual
Optional	8008(Multi-Tran)(AC only) 7014(Output Cord)	8004/8008(Multi-Tran)(AC only) 8021(Energizer)	8004/8008(Multi-Tran)(AC only) 8021(Energizer)	8008(Multi-Tran)(AC only) 7014(Output Cord)	8022(AC Adaptor)(110V) 8023(AC Adaptor)(220V) 7014(Output Cord)

How to Measure DC Current



Clamp on to a conductor just the same way as with AC current measurement using an AC current clamp meter. In the case of DC clamp meters the reading is positive (+) when the current is flowing from the upside to the underside of the clamp meter.

Accessories

Model 8201

Output Plug



Optional Accessories

Model 7014

Output Cord



Model 8022

AC Adaptor
(110V)



Model 8023

AC Adaptor
(220V)



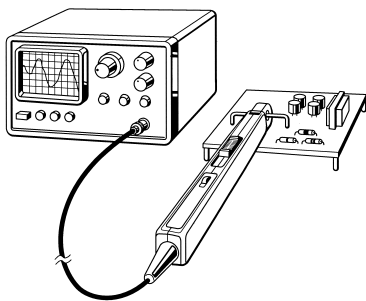
KEW CLAMP ADAPTORS

MODEL 8112 AC CLAMP ADAPTOR

Model 8112 clamp adaptor is designed to be an AC current/voltage conversion probe capable of measuring AC current from 0.1mA to 120A in conjunction with digital multimeters. Simple to operate, the unit has range switch position at 200mA, 2A and 20A. It also features safety design throughout with no exposed metal parts.



Example of Model 8112 BNC application



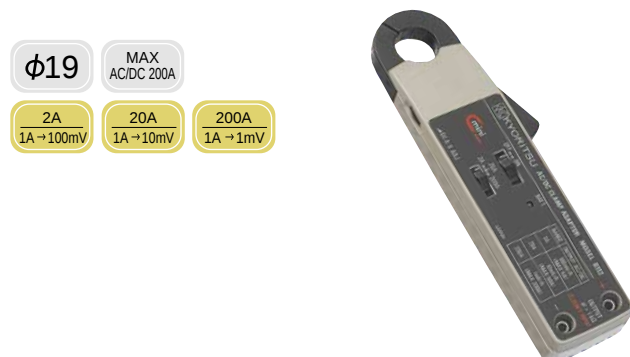
MODEL 8006 AC CLAMP ADAPTOR

Model 8006 is designed to measure AC current up to 1500A. It can accommodate up to 60mm-dia conductor or 50mm by 75mm bus-bar.



MODEL 8113 AC/DC CLAMP ADAPTOR

Model 8113 is a clamp-on AC/DC current/voltage converter that permits AC/DC current measurements from 1mA to 200A in conjunction with a voltmeter having 0.1mV resolution.



Specifications

Range	Measuring Ranges	Output Voltage	Accuracy	Frequency Response
200mA	AC 0–500mA	AC1V/A (1000mA→1V)	±1.5%rdg±0.2mA	50Hz–1kHz
	AC 0–1000mA		±3%rdg±0.4mA	40Hz–10kHz
2A	AC 0–20A	AC100mV/A (20A→2V)	±1%rdg±1mA	40Hz–1kHz
			±1.5%rdg±2mA	1–10kHz
20A	AC 0–20A	AC10mV/A (120A→1.2V)	±1%rdg±0.01A	40Hz–1kHz
	AC 20–60A		±1.5%rdg±0.02A	1–10kHz
	AC 60–120A		±1.5%rdg	50Hz–10kHz
Conductor Size		φ 8mm max.		
Frequency Response		30Hz–100kHz(–3dB)		
Safety Standard		IEC61010-1 CAT. II 100V Pollution Degree 2		
Withstand Voltage		500V AC for 1 minute		
Dimensions		153(L)×18(W)×23(D)mm		
Weight		100g approx.		
Accessories		9057(Carrying Case) Instruction Manual		

MODEL 8112BNC

Model 8112BNC is an AC clamp adaptor designed for use with oscilloscopes.

Output cord has a BNC connector which enables direct observation of current waveform on oscilloscope. Refer to a diagram shown at left for application.

Specifications are same as those for Model 8112.



Specifications

MODEL	Model 8006
Measuring Range	1500A AC
Output Voltage	1mV AC/1A(1500A→1.5V)
Accuracy	±3%rdg+1A(0–1000A)(45–65Hz) ±5%rdg(1000–1500A)(45–65Hz)
Load Resistance	>1kΩ
Allowable Measurement Time	0–600A continuous 600–1000A 30 minutes max. 1000–1500A 5 minutes max.
Conductor Size	φ 60mm max. (50×75mm)
Frequency Response	45–65Hz
Withstand Voltage	2200V AC for 1 minute
Dimensions	240(L)×85(W)×30(D)mm
Weight	500g approx.
Accessories	9022(Carrying Case) Instruction Manual

Specifications

Range	Measuring Ranges		Output Voltage	Accuracy	Frequency Response
AC	2A	ACS5A	AC100mV/A(5A→500mV)	±2%rdg±5mA	DC—1kHz
	20A	AC50A	AC10mV/A(50A→500mV)	±1.5%rdg±0.04A	DC—1kHz
	200A	AC150A	AC1mV/A(200A→200mV)	±2%rdg±0.5A (0—150A)	DC—1kHz
		AC200A		±3.5%rdg (150—200A)	DC—10kHz
DC	2A	DC5A	DC100mV/A(5A→500mV)	±1.5%rdg±5mA	——
	20A	DC50A	DC10mV/A(50A→500mV)	±1%rdg±0.02A (0—50A)	——
	200A	DC150A	DC1mV/A(200A→200mV)	±1.5%rdg±0.5A (0—150A)	——
		DC200A		±3%rdg (150—200A)	——
Conductor Size			φ 19mm max.		
Frequency Response			DC—1kHz		
Withstand Voltage			1000V AC for 1 minute		
Power Source			R6P(AA)(1.5V)×2		
Dimensions			180(L)×54(W)×31(D)mm		
Weight			170g approx.		
Accessories			7061(Output cords) R6P(AA)×2		
			9055(Carrying Case) Instruction Manual		