

2000A Professional AC Clamp Meter

With wide frequency response



Technical Datasheet

K2002PA

The K2002PA is a valuable tool for electrical engineers and electrical contractors as it has a wide frequency response and features peak hold that allows the user to measure peak values of current. The teardrop shaped jaws have been designed to easily access crowded cable ways.



Features

- Jaw Ø55mm
- 2000A AC
- 750V AC
- 1000V DC
- Output terminal
- Resistance 400kΩ
- Peak hold
- Data hold
- Diode check
- Continuity
- 4000 Count LCD



55mm Jaw Diameter



Data Hold

Specifications

FUNCTION	RANGE
AC Current	2000A
Accuracy	±(3.0%+3d)
AC Voltage	750V
Accuracy	±(1.5%+3d)
DC Voltage	1000V
Accuracy	±(1.0%+2d)
Resistance	400kΩ
Insulation Resistance	10MΩ
Frequency ACV	1Hz - 10kHz
Power	2 x R6P
Conductor Size	55mm
Size (H x W x D)	247 x 105 x 49mm
Weight	470g



2000A AC
4000 Count LCD
Peak Hold



Output Terminal

Standard Accessories

Test leads K-7107, Two R6P batteries, Instruction Manual, Recorder output plug K-8201, Carrying case K-9094

Ordering Information

Branches: Johannesburg | Cape Town | Durban | Port Elizabeth | Bloemfontein
 011 872 5500 | 021 556 3091 | 031 569 1024 | 041 452 1172 | 051 430 4958
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General Information

Operating System	: Dual integration
Display	: Liquid crystal display with a maximum count of 4000
Low Battery Warning	: "BATT" symbol is displayed on the digital display
Overrange Indication	: "OL" is displayed where input exceeds the upper limit of a range
Response Time	: Approx. 2 seconds
Sleep Function	: Automatically powered down in about 10 minutes after the last switch operation
Data Hold	: Available in all ranges provided the peak measurement mode is deactivated
Storage Temperature and Humidity	: -20~60°C, relative humidity up to 85% without condensation
Operating Temperature and Humidity	: 0~40°C, relative humidity up to 85% without condensation
Overload Protection	: 2400A AC for 10 sec / 1200V AC/DC for 10 sec / 600V AC for 10sec
Withstand Voltage	: 5550V AC for 1 minute between electrical circuit and housing cases or metal parts of jaws

Specifications

Measuring Ranges and Accuracy (at 23°C ± 5°C, relative humidity 75 % or less)

Measurement	Range	Measuring Range	Resolution	Accuracy (Frequency Range)	Maximum Measurement Time
AC Current	400A	0 ~ 400A	0.1A	± 1.0% rdg ± 3 dgt (50/60Hz) ± 2.0% rdg ± 3 dgt (40~1kHz)	Continuous
	2000A	0 ~ 1000A	1A	± 1.0% rdg ± 3 dgt (50/60Hz)	
		1000 ~ 1500A		± 3.0% rdg ± 3 dgt (40~1kHz)	
		1500 ~ 2000A		± 3.0% rdg (50/60Hz)	5 min
Measurement	Range	Measuring Range	Resolution	Accuracy (Frequency Range)	
AC Voltage (Auto-ranging)	40V	0 ~ 40.00A	0.01V	± 1.0% rdg ± 2 dgt (50/60Hz) ± 1.5% rdg ± 3 dgt (40~1kHz)	
	400V	15.0 ~ 400.0A	0.1V		
	750V	150 ~ 750A	1V		
Measurement	Range	Measuring Range	Resolution	Accuracy	
DC Voltage (Auto-ranging)	40V	0 ~ ±40.00A	0.01V	± 1.0% rdg ± 2dgt	
	400V	±15.0 ~ ±400.0A	0.1V		
	1000V	±150 ~ ±750.0A	1V		
Resistance (Auto-ranging)	400Ω	0 ~ 400.0Ω	0.01Ω	± 1.5% rdg ± 2dgt	
	4kΩ	0.150 ~ 4.000kΩ	1Ω		
	40kΩ	1.50 ~ 40.00kΩ	10Ω		
	400kΩ	15.0 ~ 400.0kΩ	100Ω		
Measurement	Range	Output Voltage/ Measuring Range		Accuracy (Frequency Range)	
OUTPUT (AC Current Ranges)	400A	0 ~ 400.0mV / 0 ~ 400A		±1.5% rdg ± 0.5mV (50/60Hz) ±2.5% rdg ± 0.5mV (40 ~ 1 kHz)	
	2000A	0 ~ 150.0mV / 0 ~ 1500A		±1.5% rdg ± 0.5mV (50/60Hz) ±3.5% rdg ± 0.5mV (40 ~ 1 kHz)	
		150.0 ~ 200.0mV / 1500 ~ 2000A		±3.5% rdg (50/60Hz)	

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