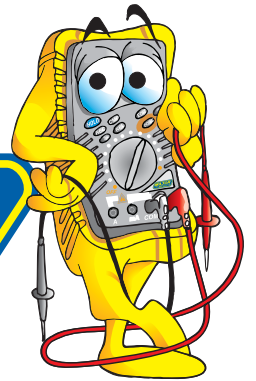


# Professional AC/DC Mini Clamp Meter



## Technical Data



### K2001

The K2001 is the first of its kind to have all the functions of a multimeter and include AC and DC current measurements up to 100 Amps with an "OPEN CLAMP SENSOR". This integrated instrument is ideal for use when testing and measuring current loops of PLC's. The K2001 has a 3399 count display and incorporates a 33 segment Bargraph, and comes complete with a rubber holster. The pocket size of the K2001 becomes handy for Electrical Engineers, Inspectors and Maintenance Electricians to carry around with them, as it is always readily available for quick tests.

### Features Include:

- Ø10mm Cable
- AC and DC voltage to 600V
- Measures AC and DC current up to 100 Amps
- Open Jaw Sensor
- Resistance to 34MΩ
- Frequency measurement
- Auto range with manual override
- Data Hold
- Auto Power Off

### General Specifications

Safety Standard	:	IEC61010-1 over-voltage category CATIII,300V,pollution degree 2 over-voltage category CATII,600V,pollution degree 2 IEC61010-2-031 IEC61010-2-032 IEC61326 (EMC)
Operating System	:	Dual integration
Display	:	Liquid crystal display with maximum reading of 3399 as well as units and annunciators Bar graph with maximum points of 33
Over Input Indication	:	"OL" on the LCD ( Ω ranges only)
Auto-ranging Operation	:	Shifts to the next higher range when bar graph increases to 33 points Shifts to the next lower range when bar graph decreases to 3 points
Sample Rate	:	Numeric reading: about 400ms, bar graph: about 20ms
Location for use	:	Indoor use, Altitude up to 2000m
Accuracy-insured Temperature and Humidity Ranges	:	23°C ± 5°C, relative humidity 75% or less (without condensation)



## General Specifications

Operating Temperature and Humidity Range	:	0-40°C, relative humidity 85% or less (without condensation)
Storage Temperature and Humidity Range	:	-20-60°, relative humidity 85% or less (without condensation)
Source	:	Two 1.5VDC R03 (UM-4) batteries
Current Consumption	:	Approx. 10mA
Power Save Function	:	Shifts to the power-save state about 10 minutes after the last switch operation (current consumption: approx. 10µA)
Overload Protection	:	AC/DC current ranges: MODEL2000 AC/DC 72A for 10 seconds AC/DC current ranges: MODEL2001 AC/DC 120A for 10 seconds AC/DC voltage ranges: AC/DC 720V for 10 seconds Resistance ranges: AC/DC 720V for 10 seconds Frequency ranges: AC/DC 720V for 10 seconds
Withstand Voltage	:	AC3700V for 1 minute between electrical circuit and housing case
Insulation Resistance	:	10MΩ or greater at 1000V between electrical circuit and housing case
Conductor size	:	MODEL2000 Approx. 6mm diameter max. MODEL2001 Approx. 10mm diameter max.
Dimensions MODEL2000	:	128(L)X87(W)X24(D)mm
Weight	:	MODEL2000 Approx. 210g /MODEL2001 Approx. 220g
Accessories	:	Two R03 (UM-4) batteries, Instruction manual
Measuring Ranges and Accuracy (at 23°C ± 5°C, relative humidity 75 % or less)		

Measurement	Range	Measuring Range	Accuracy
<b>AC Current</b>	100A	0 - 100.0A	± 2.0% rdg ± 5 dgt (50/60Hz)
<b>DC Current</b>	100A	0 - ± 100.0A	± 2.0% rdg ± 5 dgt
<b>AC Voltage</b>	3.4V	0-600V (Auto-ranging)	± 1.5% rdg ± 5dgt (50-400Hz)
	34V		
	340V		
	600V		
<b>DC Voltage</b>	340mV	0±600V (Auto-ranging)	± 1.5% rdg ± 4dgt
	3.4V		
	34V		
	340V		
	600V		
<b>Resistance</b>	340Ω	0-33.99M Ω (Auto-ranging)	± 1.0% rdg ± 3dgt Buzzer beeps below 30 ± 10 Ω (continuity buzzer works on 340 Ω range only)
	3.4kΩ		
	34kΩ		±5% rdg ±5dgt
	340kΩ		
	3.4MΩ		±15% rdg ± 5dgt
	34MΩ		
<b>Frequency</b>	Current	0-3.399kHz 3.4kHz-10kHz (Auto-ranging)	±0.1% rdg ±1dgt
	Voltage	0-3.399kHz 3.4kHz-33.99kHz 34kHz-300kHz (Auto-ranging)	±0.1% rdg ± 1dgt

## Ordering Information

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