

1000A AC DIGITAL CLAMPMETER WITH INRUSH CURRENT Model - KM 999A+

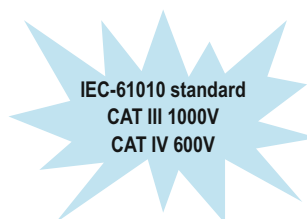
FEATURES :

- Autoranging
- Hold & VFD Function
- MAX, MIN Function
- Inrush Current Measurement
- Live wire Identification
- Non-Contact AC Voltage Detection
- Auto Power Off after 10 minutes
- Low battery indication
- Diode Test, Continuity Test



GENERAL SPECIFICATIONS :

- * **Display** : 4 digit 6000 Counts LCD display
- * **Jaw Opening** : 42 mm Max.
- * **Power** : 1.5V AAA x 3 battery.
- * **Dimension** : Apox. 250(L)mm x 85(W)mm x 45(H)mm.
- * **Weight** : Approx. 368 gm (Including battery)
- * **ACCESSORIES** : Test leads (pair), User's manual, Battery, Thermocouple & Carrying case



Preliminary Data

ELECTRICAL SPECIFICATIONS KM 999A+

Accuracy is $\pm$ (% reading digits + number of digits) or otherwise specified, at 23°C $\pm$ 5°C

DC VOLTAGE

Range	Resolution	Accuracy
600 mV	0.1 mV	$\pm(0.5\% \text{ rdg} + 3 \text{ dgts})$
6 V	0.001 V	
60 V	0.01 V	
600 V	0.1 V	$\pm(0.8\% \text{ rdg} + 3 \text{ dgts})$
1000 V	1 V	

Input resistance : 10M Ω

The maximum input voltage : 1000V DC

AUTO-V LoZ DC VOLTAGE

Range	Resolution	Accuracy
600 V	0.1 V	$\pm(1.0\% \text{ rdg} + 5 \text{ dgts})$
1000 V	1 V	

Input impedance : 1M Ω

The maximum input Voltage : 1000V DC

AC CURRENT

Range	Resolution	Accuracy
60A	0.01 A	$\pm(2.0\% \text{ rdg} + 5 \text{ dgts})$
600A	0.1 A	
1000A	1 A	

Maximum Input Current : 1000A AC

Frequency Range : 40 ~ 400Hz

DIODE TEST

Function	Range	Description
	0.15V ~ 2.5V	Forward DC Current : about 1mA Open Circuit Voltage : about 4V The approx. value of diode forward voltage drop

Overload Protection : 1000V

AC VOLTAGE

Range	Resolution	Accuracy
6 V	0.001 V	$\pm(0.8\% \text{ rdg} + 5 \text{ dgts})$
60 V	0.01 V	
600 V	0.1 V	$\pm(1.0\% \text{ rdg} + 5 \text{ dgts})$
1000 V	1 V	

Input resistance : 10M Ω

Overload protection : 1000V

Frequency Response : 40Hz ~ 1KHz

AUTO-V LoZ AC VOLTAGE

Range	Resolution	Accuracy
1000 V	1 V	$\pm(1.2\% \text{ rdg} + 5 \text{ dgts})$

Input impedance : 1M Ω

Overload protection : 1000V

Frequency Response : 40Hz ~ 1KHz

CAPACITANCE

Range	Resolution	Accuracy
600 nF	0.1 nF	$\pm(4.0\% \text{ rdg} + 5 \text{ dgts})$
6 μ F	0.001 μ F	
60 μ F	0.01 μ F	
600 μ F	0.1 μ F	
6 mF	0.001 mF	$\pm(5.0\% \text{ rdg} + 10 \text{ dgts})$
60 mF	0.01 mF	

Overload Protection : 1000V

RESISTANCE

Range	Resolution	Accuracy
600 Ω	0.1 Ω	$\pm(1.0\% \text{ rdg} + 5 \text{ dgts})$
6 K Ω	0.001 K Ω	
60 K Ω	0.01 K Ω	
600 K Ω	0.1 K Ω	
6 M Ω	0.001 M Ω	$\pm(2.0\% \text{ rdg} + 5 \text{ dgts})$
60 M Ω	0.01 M Ω	

Overload Protection : 1000V rms

Open Circuit Voltage : 0.5V

INRUSH CURRENT

Range	Resolution	Accuracy
1000A	1 A	<10A for reference only $\pm(10\% \text{ reading} + 60 \text{ dgts})$

TEMPERATURE

Range	Resolution	Accuracy
-20 ~ 1000°C	1°C	$\pm(2.0\% \text{ rdg} + 2 \text{ dgts})$
-4 ~ 1832°F	1°F	$\pm(2.0\% \text{ rdg} + 4 \text{ dgts})$

Overload Protection : 1000V

ON-OFF TEST

Function	Range	Description
	600 Ω	When the Resistance is less than 50 Ω , the buzzer sounds.

Overload Protection : 1000V

Open Circuit Voltage : about 2V

All Specifications are subject to change without prior notice.