KUSAM-MECO®
An ISO 9001:2015 Company

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

THINK SAFETY
THINK KUSAM-MECO®

## 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

NEW



Preliminary Data

IEC-61010 standard
CAT III 1000V
CAT IV 600V

## GENERAL SPECIFICATIONS :

- **Display :** 4 digit 6000 Counts LCD display
- **Jaw Opening :** 42 mm Max.
- **Power :** 1.5V AAA x 3 battery.
- **Dimension :** Aporox. 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

## ELECTRICAL SPECIFICATIONS KM 999A+

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

### DC VOLTAGE

| Range | Resolution | Accuracy |
|---|---|---|
| 600 mV | 0.1 mV | ±(0.5% rdg + 3 dgts) |
| 6 V | 0.001 V | |
| 60 V | 0.01 V | |
| 600 V | 0.1 V | ±(0.8% rdg + 3 dgts) |
| 1000 V | 1 V | |

**Input resistance :** 10MΩ
**The maximum input voltage :** 1000V DC

### AC VOLTAGE

| Range | Resolution | Accuracy |
|---|---|---|
| 6 V | 0.001 V | ±(0.8% rdg + 5 dgts) |
| 60 V | 0.01 V | |
| 600 V | 0.1 V | ±(1.0% rdg + 5 dgts) |
| 1000 V | 1 V | ±(1.2% rdg + 8 dgts) |

**Input resistance :** 10MΩ
**Overload protection :** 1000V
**Frequency Response :** 40Hz ~ 1KHz

### RESISTANCE

| Range | Resolution | Accuracy |
|---|---|---|
| 600 Ω | 0.1 Ω | ±(1.0 %rdg + 5 dgts) |
| 6 KΩ | 0.001 kΩ | |
| 60 KΩ | 0.01 kΩ | |
| 600 KΩ | 0.1 kΩ | |
| 6 MΩ | 0.001 MΩ | ±(2.0%rdg + 5 dgts) |
| 60 MΩ | 0.01 MΩ | |

**Overload Protection :** 1000V rms
**Open Circuit Voltage :** 0.5V

### AUTO-V LoZ DC VOLTAGE

| Range | Resolution | Accuracy |
|---|---|---|
| 600 V | 0.1 V | ±(1.0% rdg + 5 dgts) |
| 1000 V | 1 V | |

**Input impedance :** 1MΩ
**The maximum input Voltage :** 1000V DC

### AUTO-V LoZ AC VOLTAGE

| Range | Resolution | Accuracy |
|---|---|---|
| 1000 V | 1 V | ±(1.2% rdg + 5 dgts) |

**Input impedance :** 1MΩ
**Overload protection :** 1000V
**Frequency Response :** 40Hz ~ 1KHz

### INRUSH CURRENT

| Range | Resolution | Accuracy |
|---|---|---|
| 1000A | 1 A | <10A for reference only<br>± (10% reading + 60 dgts) |

### AC CURRENT

| Range | Resolution | Accuracy |
|---|---|---|
| 60A | 0.01 A | ± (2.0% rdg + 5 dgts) |
| 600A | 0.1 A | ± (2.5% rdg + 5 dgts) |
| 1000A | 1 A | |

**Maximum Input Current :** 1000A AC
**Frequency Range :** 40 ~ 400Hz

### CAPACITANCE

| Range | Resolution | Accuracy |
|---|---|---|
| 600 nF | 0.1 nF | ±(4.0%rdg + 5 dgts) |
| 6 µF | 0.001 µF | |
| 60 µF | 0.01 µF | |
| 600 µF | 0.1 µF | |
| 6 mF | 0.001 mF | |
| 60 mF | 0.01 mF | ±(5.0%rdg + 10 dgts) |

**Overload Protection :** 1000V

### TEMPRATURE

| Range | Resolution | Accuracy |
|---|---|---|
| -20 ~ 1000°C | 1°C | ± (2.0% rdg + 2 dgts) |
| -4 ~ 1832°F | 1°F | ± (2.0% rdg + 4 dgts) |

**Overload Protection :** 1000V

### DIODE TEST

| Function | Range | Description |
|---|---|---|
| →\|– | 0.15V ~ 2.5V | Forward DC Current : about 1mA<br>Open Circuit Voltage : about 4V<br>The approx. value of diode forward voltage drop |

**Overload Protection :** 1000V

### ON-OFF TEST

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

**Overload Protection :** 1000V
**Open Circuit Voltage :** about 2V

**All Specifications are subject to change without prior notice.**

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