KUSAM-MECO®
An ISO 9001:2015 Company

1000A AC/DC TRMS DIGITAL CLAMPMETER
Model - KM 9999A+

THINK SAFETY
THINK KUSAM-MECO®

FEATURES :

- Autoranging
- Hold & VFD Function
- MAX, MIN Function
- Inrush Current Measurement
- Live wire Identification
- Clear the data function
- Reading hold mode
- AC/DC Voltage
- Inrush Current Measurement
- Non-Contact AC Voltage Detection
- Auto Power Off after 10 minutes
- Low battery indication
- Frequency measurement of AC Voltage & AC Current input signal.
- Variable Frequency Drive Measurement (V/Hz)
- Automatic shutdown
- Negative electrode
- Diode & Continuity Test

NEW

CAT III 1000V
CAT IV 600V



CE

Preliminary Data

GENERAL SPECIFICATIONS :

- ✶ **Sensing :** True RMS sensing
- ✶ **Display :** 3-5/6 Digit 5999 counts backlight LCD display
- ✶ **Jaw Opening :** 42 mm Max.
- ✶ **Length of iFlex clamp :** 1.8m
- ✶ **Size of iFlex clamp :** 7.5mm
- ✶ **Full-range overload protection voltage :** 1000V
- ✶ **Automatic range**
- ✶ **ACCESSORIES :** Test leads, User's manual, Battery, Thermocouple & Carrying case
- ✶ **Operation altitude :** Max. 2000m
- ✶ **The maximum input voltage at com and input end :** AC / DC 1000V
- ✶ **Overrange display :** OL or OL
- ✶ **Sampling time:** About 3 time/second
- ✶ **Working Temperature :** 0°C~40°C
- ✶ **Storage Temperature :** -10°C~50°C
- ✶ **Power :** 3 x l.5V AAA battery.
- ✶ **Dimension :** Approx. 250(L)x85(W)x45(H)mm.
- ✶ **Weight :** Approx. 368 gm (excluding battery)

ELECTRICAL SPECIFICATIONS KM 9999A+

DC VOLTAGE

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

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

AUTO-V LoZ DC VOLTAGE

Range	Resolution	Accuracy
1000 V	1 V	±(1.0% rdg + 5 dgts)

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

AC CURRENT

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

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

DC CURRENT

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

CONTINUITY TEST

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

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

AC VOLTAGE

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

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

AUTO-V LoZ AC VOLTAGE

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

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

CAPACITANCE

Range	Resolution	Accuracy
600 nF	1 nF	±(4.0%rdg + 5 dgts)
6 µF	0.01 µF	
60 µF	0.1 µF	
600 µF	1 µF	
6 mF	0.01 mF	
60 mF	0.1 mF	±(5.0%rdg + 10 dgts)

Overload Protection : 1000V

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

RESISTANCE

Range	Resolution	Accuracy
600 Ω	1 Ω	±(1.0 %rdg + 5 dgts)
6 KΩ	0.01 kΩ	
60 KΩ	0.1 kΩ	
600 KΩ	1 kΩ	
6 MΩ	0.01 MΩ	±(2.0%rdg + 5 dgts)
60 MΩ	0.1 MΩ	

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

INRUSH CURRENT

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

TEMPERATURE

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

iFlex CURRENT (Optional)

Range	Resolution	Accuracy
3000A	1 A	± (3.0% reading + 5 dgts) increase 2% when C.F.>2

Maximum Input Current : 3000A AC
Frequency Range : 40 ~ 400Hz

All Specifications are subject to change without prior notice.

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