KUSAM-MECO®
An ISO 9001:2015 Company

1000A AC DIGITAL CLAMPMETER
MODEL KM 2780

THINK SAFETY
THINK KUSAM-MECO®

GENERAL SPECIFICATIONS :

- **Display :** 3 ¾ digits LCD,3999 counts max.
- **Jaw size :** Φ40mm
- **Overload range indication:** LCD will show a "OL" in the highest position accompanied. (Except for ranges of 1000A AC, & 1000VDC or 750VAC)
- **Measurement Categories III**
- **Pollution Degree 2**
- **Altitude upto 2000 meters**
- **Sampling rate :** 2.5 times/sec (Digital display)
- **Polarity :** Automatic polarity "-" display for negative input.
- **Operating Temperature & Humidity :** 0 ~ 40°C (R.H. <80% noncondensing)
- **Storage Temperature & Humidity :** -10°C ~ 60°C (R.H. <80% noncondensing)
- **Low Battery Indication.**
- **Auto Power Off.**
- **Diode & Continuity test**
- **Power Supply :** 1.5V x 2 AA Battery.
- **Dimension :** 228(L) x 75(W) x 36(H)mm.
- **Weight :** Approx. 465g. (including Battery)

ACCESSORIES : Test leads set, Users Manual, Battery & Carrying Case.



Preliminary Data

ELECTRICAL SPECIFICATIONS : KM 2780

AC CURRENT

Range	Resolution	Accuracy
40Hz ~ 65Hz		
40 A	0.01A	± (2%rdg + 5dgts)
400 A	0.1A	
1000 A	1 A	

Overload Protection : 1100A

DCmV VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	± (1.0%rdg + 2dgts)

Overload Protection : 1000Vrms **Input Impedance :** 1MΩ

DC VOLTAGE

Range	Resolution	Accuracy
4 V	0.001 V	± (0.8%rdg + 2dgts)
40 V	0.01 V	
400 V	0.1 V	
1000 V	1 V	± (1.0%rdg + 2dgts)

Overload Protection : 1000Vrms **Input Impedance :** 10MΩ

FREQUENCY

Range	Resolution	Accuracy
10 Hz	0.001Hz	Unspecified
100 Hz	0.01Hz	± (0.5%rdg + 3dgts)
1 KHz	0.1Hz	
10 KHz	1Hz	
100 KHz	10Hz	
1 MHz	100Hz	
10 MHz	1KHz	Unspecified

Overload Protection : 250Vrms. **Sensitivity :** 1V

AC VOLTAGE

Range	Resolution	Accuracy
40Hz ~ 450Hz		
400 mV	0.1 mV	± (1.8%rdg + 5dgts)
4 V	1 mV	± (1.0%rdg + 5dgts)
40 V	0.01 V	
400 V	0.1 V	
40Hz ~ 100Hz		
750 V	1 V	± (1.5%rdg + 5dgts)

Overload Protection : 820Vrms
Input Impedance : 10MΩ

RESISTANCE

Range	Resolution	Accuracy
400 Ω	0.1 Ω	± (1.2%rdg + 5dgts)
4 KΩ	1 Ω	± (1.0%rdg + 2dgts)
40 KΩ	10 Ω	
400 KΩ	100 Ω	
4 MΩ	1 KΩ	
40 MΩ	10 KΩ	± (2.0%rdg + 5dgts)

Overload Protection : 250Vrms.

CAPACITANCE

Range	Resolution	Accuracy
50Hz ~ 60Hz		
40 nF	0.01 nF	± (2.5%rdg + 10dgts)
400 nF	0.1 nF	± (2.0%rdg + 4dgts)
4 µF	1 nF	
40 µF	10 nF	
100 µF	100 nF	Unspecified

Overload Protection : 250Vrms.

DIODE / AUDIBLE CONTINUITY

Range	Description
⊣◀	Display read approx. Forward voltage of diode. Accuracy : ± (3.0%rdg + 3dgts)
•)))	If the resistance is less than 50Ω, the beeper sounds continuously.

Note : Overload protection : 250V rms

DUTY CYCLE

Range
0.1% to 99.9%

All Specifications are subject to change without prior notice

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