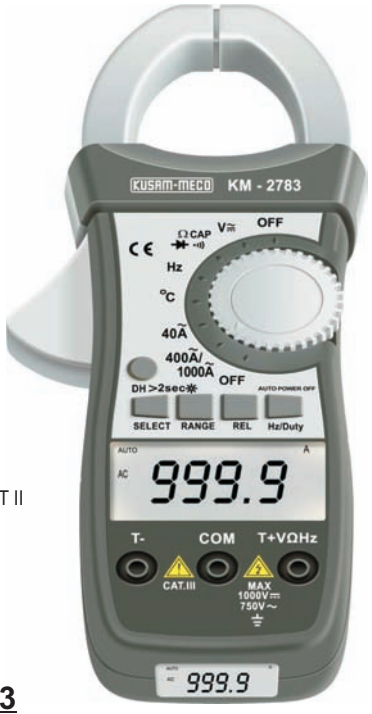
KUSAM-MECO®

An ISO 9001:2008 Company

3¾ DIGIT 1000A AC DUAL DISPLAY DIGITAL CLAMP METER

15 FUNCTIONS 34 RANGES

Model KM 2783



Preliminary Data

GENERAL SPECIFICATIONS :

- **Sensing :** Average sensing.
- **Jaw opening size :** 45 mm
- **Display :** 3¾ digit LCD with a max. Reading of 3999.
- **Range Selection :** Autorange selection
- **Polarity :** Automatic negative polarity indication
- **Zero adjustment :** Automatic
- **Over range indication :** only the "OL" display
- **Low battery indication :** The " " is display when the battery Voltage is below 7.2V.
- **Auto Power Off :** 30 minutes after stopping the switch or no push button, the meter automatically enter to power off mode. Push button or run switch, auto power off disable.
- **Operating Temperature :** 0 ~ 40°C, Humidity < 80% R.H.
- **Storage Temperature :** -20 ~ 60°C, Humidity < 90% R.H.
- **Power Supply :** 9V zinc ~ carbon battery.
- **Dimension :** 225(H) x 77(W) x 45(D) mm
- **Weight :** approx. 330g. (Including battery)

SAFETY :

- **Safety Standards :** The meter is up to the standards of IEC 1010 double insulation, Pollution Degree 2, Overvoltage CAT II

ACCESSORIES :

Battery, Manual, Test leads(1 pair), Carrying Case.

ELECTRICAL SPECIFICATIONS - KM 2783

Accuracies are ±(% of reading + digit) at 23°C ± 5°C Less than 70% R.H.

AC CURRENT

Range	Resolution	Accuracy	Frequency
40 A	0.01 A	±(2.5%rdg + 25dgts)	50~60Hz
400 A	0.1 A	±(2.0%rdg + 20dgts)	
1000 A			
0~800	1 A	±(2.5%rdg + 25dgts)	50~60Hz
800~1000		±(5.5%rdg + 25dgts)	

Average sensing, calibrated to rms of sine wave
Overload protection : 1000Arms within 60 seconds.

AC VOLTAGE

Range	Resolution	Accuracy	Frequency
400 mV	0.1 mV	±(3.0%rdg + 15dgts)	50~400Hz
4 V	1 mV	±(1.0%rdg + 15dgts)	
40 V	10 mV		
400 V	100 mV		
750 V	1 V	±(2.5%rdg + 15dgts)	50~100Hz

Average sensing, calibrated to rms of sine wave
Overload protection : 1000V DC /750Vrms AC;
Impedance : 10M , More then 100M on 400mV scale

DIODE AND AUDIBLE CONTINUITY TEST

Range	Description	Test condition
▶|	Display read approx. Forward voltage of diode.	Forward DC current approx. 0.4mA Reversed DC Voltage Approx. 1.5V
)))	Built-in buzzer sounds if reisitance is less than 90	Open circuit voltage approx. 0.5V

Overload protection : 250V DC/250Vrms AC

DC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(0.5%rdg + 7dgts)
4 V	1 mV	
40 V	10 mV	
400 V	100 mV	
1000 V	1 V	±(0.8%rdg + 7dgts)

Overload protection : 1000V DC/750Vrms AC
Impedance : 10M , More then 100M on 400mV scale

RESISTANCE

Range	Resolution	Accuracy
400	0.1	±(1.8%rdg + 20dgts)
4 k	1	±(1.2%rdg + 20dgts)
40 k	10	
400 k	100	
4 M	1 k	
40 M	10 k	±(2.0%rdg + 20dgts)

Overload protection : 250V DC/250Vrms AC

CAPACITANCE

Range	Resolution	Accuracy
40 nF	10 pF	±(3.5%rdg + 30dgts)
400 nF	100 pF	±(2.5%rdg + 25dgts)
4 F	1 nF	
40 F	10 nF	
100 F	100 nF	±(5.0%rdg + 20dgts)

Overload protection : 250V DC/250Vrms AC

FREQUENCY

Range	Resolution	Accuracy
10 Hz	0.01 Hz	±(0.5%rdg + 15dgts)
100 Hz	0.1 Hz	
1000 Hz	1 Hz	
10 kHz	10 Hz	
100 kHz	100 Hz	
1000 kHz	1 kHz	
10 MHz	10 kHz	

Overload protection : 250V DC/250Vrms AC
Sensitivity : Range of input voltage : 1.5V~1 0V, if input voltage over range, need adjust

DUTY CYCLE

0.1% ~99.9%

All Specifications are subject to change without prior notice

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