

### FEATURES :

- \* Backlight Display
- \* Non-Contact Voltage Measurement (NCV)
- \* Pulse Output
- \* Flash Light
- \* Data Hold
- \* MAX / MIN & Rel Zero

### 12 FUNCTIONS 39 RANGES



### GENERAL SPECIFICATIONS

- \* Sensing : True RMS
- \* Display : 3-5/6 digits 6000 counts liquid crystal LCD display
- \* Maximum Display : 5999 counts
- \* Sampling Time : about 3 times / second
- \* Operating Temperature : 0°C to 40°C, Relative Humidity <80%
- \* Measurement : Double integral A/D conversion.
- \* Overrange Display : 'OL'
- \* Automatic Polarity display.
- \* Auto Power Off : about 15 minutes when no signal.
- \* Low Battery Indication : Below 2.3V
- \* Power Supply : 1.5V AAA x 2 battery.
- \* Dimension : Approx. 142(L)mm x 70(W)mm x 32(H)mm
- \* Weight : Approx. 205gm (including battery).

- ACCESSORIES : Test leads (pair), Battery & User Manual.

### SAFETY

- Safety : Complies with the safety requirements IEC1010 CAT III 600V.



Preliminary Data

## ELECTRICAL SPECIFICATIONS : KM 60-T

Accuracy is ± (% reading digits + number of digits) or otherwise specified @ 23°C ± 5°C & less than 75% R.H.

#### DC VOLTAGE

Range	Resolution	Accuracy
6 V	0.001 V	±(0.5%rdg + 3dgts)
60 V	0.01 V	
600 V	0.1 V	
1000 V	1 V	±(0.8%rdg + 10dgts)

Input Impedance : 10MΩ

Overload Protection : 6V range is 550V DC or AC peak;

The rest is 1000V DC or 750V AC Peak.

Maximum input voltage : 750V AC (RMS) or 1000V DC

#### AC VOLTAGE

Range	Resolution	Accuracy
6 V	0.001 V	±(0.8%rdg + 3dgts)
60 V	0.01 V	
600 V	0.1 V	
750 V	1 V	±(1.2%rdg + 10dgts)

Input Impedance : 10MΩ

Standard sine wave & triangular wave frequency response is 40Hz ~ 1kHz.

Other waveforms are : 40Hz ~ 200Hz.

#### DC CURRENT

Range	Resolution	Accuracy
600 μA	0.1 μA	±(1.2%rdg + 10dgts)
6000 μA	1 μA	
60 mA	10 μA	±(1.2%rdg + 10dgts)
600 mA	100 μA	
6 A	0.01 A	±(2.0%rdg + 30dgts)
10 A	0.01 A	

The Maximum measured pressure drop : 600mV

Overload Protection : 600μA / 6000μA / 60mA / 600mA :

600mA/250V Speed Glass Fuse.

6A / 10A : 10A : 250V Speed Glass Fuse.

#### AC CURRENT

Range	Resolution	Accuracy
600 μA	0.1 μA	±(1.2%rdg + 10dgts)
6000 μA	1 μA	
60 mA	10 μA	±(1.2%rdg + 10dgts)
600 mA	100 μA	
6 A	0.01 A	±(2.0%rdg + 30dgts)
10 A	0.01 A	

The Maximum measured pressure drop : 600mV

Overload Protection : 600μA / 6000μA / 60mA / 600mA :

600mA/250V Speed Glass Fuse.

6A / 10A : 10A : 250V Speed Glass Fuse.

All Specifications are subject to change without prior notice.

## ELECTRICAL SPECIFICATIONS : KM 60-T

### FREQUENCY

Range	Resolution	Accuracy
10 Hz	0.01 Hz	±(0.1%rdg + 3dgt)
100 Hz	0.1 Hz	
1 kHz	1 Hz	
10 kHz	10 Hz	
100 kHz	100 Hz	
1 MHz	1 kHz	
10 MHz	10 kHz	

**Overload Protection :** 550V DC or AC peak (less than 10 seconds)  
**Input Voltage Range :** 1V rms

### RESISTANCE

Range	Resolution	Accuracy
600 Ω	0.1 Ω	±(0.8%rdg + 5dgt)
6 kΩ	1 Ω	±(0.8%rdg + 3dgt)
60 kΩ	10 Ω	
600 kΩ	100 Ω	
6 MΩ	1 kΩ	±(2.5%rdg + 3dgt)
40 MΩ	10 kΩ	


**Open Circuit Voltage :** Less than 3V  
**Overload Protection :** 550V DC or AC Peak

### CAPACITANCE

Range	Resolution	Accuracy
99.99 nF	0.01 nF	±(3.5%rdg + 20dgt)
999.9 nF	0.1 nF	
9.999 μF	0.001 μF	
99.99 μF	0.01 μF	
999.9 μF	0.1 μF	
9.999 mF	0.001 mF	±(5.0%rdg + 3dgt)

**Overload Protection :** 550V DC or AC peak

### DIODE & CONTINUITY TEST

Range	Display Value	Test condition
	Diode forward voltage drop	Positive DC Current of about 1mA, open circuit voltage of about 3V.
	The buzzer buzzes for a long time, & the test resistance is less than (50 ± 20)Ω.	Open circuit voltage is about 3V press "SELECT" to switch between two functions.

Overload Protection : 550V DC or AC peak.

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Email : [sales@kusam-meco.co.in](mailto:sales@kusam-meco.co.in) Web.: [www.kusamelectrical.com](http://www.kusamelectrical.com)