

FEATURES :

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



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

DC VOLTAGE

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

Input Impedance : 10M Ω

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

DC CURRENT

Range	Resolution	Accuracy
60 mA	10 μ A	$\pm(1.2\%rdg + 10dgts)$
600 mA	100 μ A	

The Maximum measured pressure drop : 600mV

Overload Protection : 60mA / 600mA : 600mA/250V Speed Glass Fuse.

AC CURRENT

Range	Resolution	Accuracy
60 mA	10 μ A	$\pm(1.2\%rdg + 10dgts)$
600 mA	100 μ A	

The Maximum measured pressure drop : 600mV

Overload Protection : 60mA / 600mA : 600mA/250V Speed Glass Fuse.

AC VOLTAGE

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

Input Impedance : 10M Ω

Standard sine wave & triangular wave frequency response is 40Hz ~ 1kHz.
Other waveforms are : 40Hz ~ 200Hz.

DC CURRENT (μ A)

Range	Resolution	Accuracy
600 μ A	0.1 μ A	$\pm(1.2\%rdg + 10dgts)$
6000 μ A	1 μ A	

The Maximum measured pressure drop : 600mV

Overload Protection : 600 μ A / 6000 μ A : 600mA/250V Speed Glass Fuse.

AC CURRENT (μ A)

Range	Resolution	Accuracy
600 μ A	0.1 μ A	$\pm(1.2\%rdg + 10dgts)$
6000 μ A	1 μ A	

The Maximum measured pressure drop : 600mV

Overload Protection : 600 μ A / 6000 μ A : 600mA/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

STRAIGHT 10A CURRENT (DC/AC)

Range	Resolution	Accuracy
6 A	0.01 A	±(2.0%rdg + 30dgt)
10 A	0.01 A	


The Maximum measured pressure drop : 600mV
Overload Protection : 60mA / 600mA : 600mA/250V Speed Glass Fuse.

CAPACITANCE

Range	Resolution	Accuracy
60 nF	10 pF	±(3.5%rdg + 20dgt)
600 nF	100 pF	
6 μF	1 nF	
60 μF	10 nF	
600 μF	100 nF	
6 mF	11 μF	±(5.0%rdg + 3dgt)
30 mF	10 mF	

Overload Protection : 550V DC or AC peak

DIODE & CONTINUITY TEST

Range	Display Value	Test condition
 Ω ±	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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