

FEATURES

- Display : 6000 counts or 9999 Counts.
- Backlight Display
- Data Hold, Maximum / Minimum value
- **Automatic Cathode display** : Displays “ - ”
- **Operating Temperature** : 0°C ~ 40°C, 75% RH (max)
- **Storage Temperature** : -10°C ~ 50°C, 80% RH (max)
- Low Battery Indication
- Auto Power Off with 15 minutes.
- **Battery** : 1.5V x 2 AA batteries.
- **Dimension** : Approx. 189(L) x 89(W) x 55(H)mm
- **Weight** : Approx. 380g. (including battery)
- **Accessories** : Test Leads pair, User Manual, Battery & Carrying case.



**CAT III
1000V**

MODEL- KM 8001



Preliminary Data

ELECTRICAL SPECIFICATIONS KM 8001

Accuracy is $\pm$ (% reading digits + number of digits) or otherwise specified, at 23°C $\pm$ 5°C; <75% R.H.

DC VOLTAGE

Range	Resolution	Accuracy
6 V	1 mV	$\pm(0.5\% \text{rdg} + 5 \text{dgts})$
600 V	0.1 V	
1000 V	1 V	$\pm(0.8\% \text{rdg} + 5 \text{dgts})$
2000 V	1 V	$\pm(2\% \text{rdg} + 5 \text{dgts})$

Input resistance : 10M Ω

AC VOLTAGE

Range	Resolution	Accuracy
6 V	1 mV	$\pm(1.2\% \text{rdg} + 5 \text{dgts})$
600 V	0.1 V	
1000 V	1 V	$\pm(1.5\% \text{rdg} + 5 \text{dgts})$
2000 V	1 V	$\pm(2\% \text{rdg} + 5 \text{dgts})$

Input resistance: 10M Ω Frequency: 40Hz ~ 1kHz
VFC600V : 40Hz ~ 400Hz
ACV-Hz amplitude greater than 2V,
measurement range : 40Hz ~ 20KHz
Display : TRMS (sinusoidal waveform RMS calibration)

RESISTANCE

Range	Resolution	Accuracy
600 Ω	0.1 Ω	$\pm(0.8\% \text{rdg} + 5 \text{dgts})$
6 M Ω	0.001 k Ω	
60 M Ω	0.01 M Ω	$\pm(2\% \text{rdg} + 5 \text{dgts})$

Overload protection : 500V virtual value.

CAPACITANCE

Range	Resolution	Accuracy
10 nF	0.001 nF	$\pm(3\% \text{rdg} + 20 \text{dgts})$
100 nF	0.01 nF	
1 mF	1 μ F	$\pm(3\% \text{rdg} + 5 \text{dgts})$
10 mF	0.001 mF	
100 mF	0.01 mF	$\pm(8\% \text{rdg} + 5 \text{dgts})$

Overload protection : 500V virtual value.

DIODE TEST

Function	Description
	Display of similar diode positive voltage. Measuring condition : positive DC electric current 1mA, reverse DC voltage approx. 3.3V.

CONTINUITY

Function	Description
	When the transited resistance is smaller than about 50 Ω the buzzer beeps. Test condition : Open-circuit voltage is about 1V.

All Specifications are subject to change without prior notice