

GENERAL SPECIFICATIONS :

- * Automatic selection of measuring function & range.
- * Full range overload protection
- * The maximum allowable voltage between the measuring terminal & the ground is 600VDC or 600VAC
- * **Working height** : Max 2000mm
- * **Display** : 3-5/6 Digit 6000 Counts Backlight LCD display
- * **Jaw Opening** : Max. 26mm
- * **Polarity Indication** : Automatic indicator '-' indicates negative polarity.
- * **Hyperview display** : 'OL' or '-OL'.
- * **Sampling time** : about 3 times / second
- * **Unit display** : with function, unit display of electricity.
- * **Operating temperature** : 0°C ~ 40°C
- * **Storage temperature** : -10°C ~ 50°C
- * **Auto power off** : After 15 minutes.
- * **Power** : 1.5V AAA x 2 battery.
- * **Dimension** : Approx. 185(L) x 71(W) x 35(H)mm.
- * **Weight** : Approx. 200 gm (Including battery)
- * **ACCESSORIES** : Test leads (pair),
User's manual, Battery, Bead type
Thermocouple upto 250°C & Carrying case.

SAFETY : IEC61010-1, IEC61010-2-032 CAT III 600V.

NEW

CAT III 600V
DC/AC



ELECTRICAL SPECIFICATIONS KM 2732

Accuracy is $\pm$ (% reading digits + number of digits) or otherwise specified, at 18°C $\pm$ 28°C; <75% R.H. Preliminary Data

DC VOLTAGE

Range	Resolution	Accuracy
600 mV	0.1 mV	$\pm(1.0\% \text{ rdg} + 2 \text{ dgts})$
6 V	0.001 V	$\pm(0.8\% \text{ rdg} + 3 \text{ dgts})$
60 V	0.01 V	
600 V	0.1 V	

Input resistance : 10M Ω

The maximum input voltage : 600VDC

AC CURRENT

Range	Resolution	Accuracy
60 A	0.01 A	$\pm (3.0\% \text{ rdg} + 6 \text{ dgts})$
600 A	0.1 A	

Maximum Input Current : 600A AC

Frequency Range : 40Hz ~ 400Hz

DC CURRENT

Range	Resolution	Accuracy
60 A	0.01 A	$\pm (2.5\% \text{ rdg} + 8 \text{ dgts})$
600 A	0.1 A	

Maximum Input Current : 600A DC

RESISTANCE

Range	Resolution	Accuracy
600 Ω	0.1 Ω	$\pm(0.8\% \text{ rdg} + 3 \text{ dgts})$
6 K Ω	0.001 K Ω	
60 K Ω	0.01 K Ω	
600 K Ω	0.1 K Ω	$\pm(1.2\% \text{ rdg} + 3 \text{ dgts})$
6 M Ω	0.001M Ω	
60 M Ω	0.01 M Ω	

Overload Protection : 250V DC or AC

Open Circuit Voltage : Approx 0.4V

BUZZER CONTINUITY

Function	Resolution	Description
	0.1 Ω	Built in buzzer will be sounded if Resistance is less than 50 Ω

Overload Protection: 250V DC or AC

AC VOLTAGE (TRMS)

Range	Resolution	Accuracy
6 V	0.001 V	$\pm(0.8\% \text{ rdg} + 3 \text{ dgts})$
60 V	0.01 V	
600 V	0.1 V	

Input resistance : 10M Ω

Frequency Response : 40Hz ~ 400Hz

The maximum input voltage : 600VAC (effective value)

FREQUENCY

Frequency Measurement With Pliers (through A)

Range	Resolution	Accuracy
99.99Hz	0.01Hz	$\pm (1.5\% \text{ rdg} + 5 \text{ dgts})$
999.9Hz	0.1kHz	
>1kHz	0.001kHz	Only reference

Measuring Range : 10Hz ~ 1kHz

Maximum input current : 600A

Input signal range : 4A AC (TRMS)

(As measured frequency increases, input current should also increase)

FREQUENCY

Through the V Gear

Range	Resolution	Accuracy
99.99Hz	0.01Hz	$\pm (1.5\% \text{ rdg} + 5 \text{ dgts})$
999.9Hz	0.1kHz	
>1kHz	0.001kHz	Only reference

Measuring Range : 10Hz ~ 1kHz Input impedance : 10MW

Input Voltage range : 0.2V AC (TRMS)

(As measured frequency increases, input the voltage should increase accordingly)

Maximum input Voltage : 600V AC

Passing the Hz% Switch

Range	Resolution	Accuracy
9.999Hz	0.001Hz	$\pm (0.5\% \text{ rdg} + 2 \text{ dgts})$
99.99Hz	0.01Hz	
999.9Hz	0.1Hz	
9.999kHz	0.001kHz	
99.99kHz	0.01kHz	
999.9kHz	0.1kHz	
9.999MHz	0.001MHz	

CAPACITANCE

Range	Resolution	Accuracy
6 nF	0.001 nF	$\pm(4.5\% \text{ rdg} + 5 \text{ dgts})$
600 nF	0.01 nF	
6 μ F	0.1 nF	
60 μ F	1 nF	
600 μ F	10 nF	
6 mF	1 μ F	
60 mF	10 μ F	

Overload Protection : 250V DC or AC

TEMPERATURE

Range	Resolution	Accuracy
-50 ~ 1300°C	1°C	$\pm (1.0\% \text{ rdg} + 3 \text{ dgts})$
-58 ~ 2372°F	1°F	$\pm (1.0\% \text{ rdg} + 3 \text{ dgts})$

Accuracy does not include the error of thermocouple probe.

Overload Protection : 250V DC or AC

Duty Cycle

Range	Resolution	Accuracy
0.1 ~ 99.9%	0.1%	$\pm 3.0\%$

DUTY Ratio in Hz / % range

Frequency response : 10 ~ 10MHz

Input impedance : 10M Ω

Input Voltage Range : 0.2V AC

(as the measured frequency increases, lose the incoming voltage should increase accordingly)

Maximum input Voltage : 600V AC

DIODE TEST

Function	Range	Description
	0.001V	Display approximate forward voltage of diode

Overload : 250V DC or AC

Forward DC Current is about 1mA

Reverse DC Voltage is about 3.3V

All Specifications are subject to change without prior notice.