

**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.

**ELECTRICAL SPECIFICATIONS KM 2732**

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

**DC VOLTAGE**

Range	Resolution	Accuracy
600 mV	0.1 mV	±(1.0% rdg + 2 dgts)
6 V	0.001 V	±(0.8% rdg + 3 dgts)
60 V	0.01 V	
600 V	0.1 V	

Input resistance : 10MΩ  
The maximum input voltage : 600VDC

**AC CURRENT**

Range	Resolution	Accuracy
60 A	0.01 A	± (3.0% rdg + 6 dgts)
600 A	0.1 A	

Maximum Input Current : 600AAC  
Frequency Range : 40Hz ~ 400Hz

**DC CURRENT**

Range	Resolution	Accuracy
60 A	0.01 A	± (2.5% rdg + 8 dgts)
600 A	0.1 A	

Maximum Input Current : 600A DC

**RESISTANCE**

Range	Resolution	Accuracy
600 Ω	0.1 Ω	±(0.8 %rdg + 3 dgts)
6 KΩ	0.001 kΩ	
60 KΩ	0.01 kΩ	
600 KΩ	0.1 kΩ	±(1.2 %rdg + 3 dgts)
6 MΩ	0.001MΩ	
60 MΩ	0.01 MΩ	

Overload Protection : 250V DC or AC  
Open Circuit Voltage : Approx 0.4V

**BUZZER CONTINUITY**

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

Overload Protection: 250V DC or AC

**AC VOLTAGE (TRMS)**

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

Input resistance : 10MΩ  
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	± (1.5% rdg + 5 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	± (1.5% rdg + 5 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	± (0.5% rdg + 2 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	±(4.5%rdg + 5 dgts)
600 nF	0.01 nF	
6 μF	0.1 nF	
60 μF	1 nF	
600 μF	10 nF	
6 mF	1 μF	
60 mF	10 μF	

Overload Protection : 250V DC or AC

**TEMPERATURE**

Range	Resolution	Accuracy
-50 ~ 1300°C	1°C	± (1.0% rdg + 3dgts)
-58 ~ 2372°F	1°F	± (1.0% rdg + 3dgts)

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%	± 3.0%

**DUTY Ratio in Hz / % range**

Frequency response : 10 ~ 10MHz  
Input impedance : 10MΩ  
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.