

FEATURES :

- Max. Voltage between input & ground is CAT III 600V DC & 600V AC
- Dual Integral A/D convertor, auto range
- Display function & unit symbols
- Overload Display & Data Hold Display
- Backlight display & Flashlight
- NCV Sensor Probe
- Auto Power Off after 25 minutes
- Low battery indication
- Diode Test, Continuity Test

NEW

CAT III 600V DC/AC



Preliminary Data

GENERAL SPECIFICATIONS :

- * Display : 3 ¾ Digit 4000 Counts Backlight LCD display
- * Jaw Opening : Max. 26mm
- * Digit Height : 12mm
- * Sampling Time : About 3 times / seconds.
- * Working Temperature : 5°C ~ 55°C
- * Storage Temperature : -10°C ~ 50°C
- * Power : DC1.5V 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, IEC61010-2-032 Dual insulation CAT III 600V & Pollution Class 2.

ELECTRICAL SPECIFICATIONS KM 2731

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

DC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(0.5% rdg + 3 dgts)
4 V	0.001 V	±(0.8% rdg + 2 dgts)
40 V	0.01 V	
600 V	1 V	±(1.0% rdg + 2 dgts)

Input resistance : 10MΩ
The maximum input voltage : 600VDC or 600V rms AC

AC VOLTAGE (TRMS)

Range	Resolution	Accuracy
4 V	0.001 V	±(1.0% rdg + 10 dgts)
40 V	0.01 V	
600 V	1 V	±(1.2% rdg + 10 dgts)

Input resistance : 10MΩ
Frequency Response : 40Hz ~ 400Hz
The maximum input voltage : 600VDC or 600V rms AC

AC CURRENT (TRMS)

Range	Resolution	Accuracy
4 A	0.001 A	± (2.5% rdg + 10 dgts)
40 A	0.01 A	
600 A	0.1 A	

Maximum Input Current : 120% of full scale, less than 60 seconds
Frequency Range : 50Hz ~ 60Hz

RESISTANCE

Range	Resolution	Accuracy
400 Ω	0.1 Ω	±(1.2 %rdg + 2 dgts)
4 KΩ	0.001 kΩ	
40 KΩ	0.01 kΩ	
400 KΩ	0.1 kΩ	
4 MΩ	0.001MΩ	±(2.0 %rdg + 5 dgts)
40 MΩ	0.01 MΩ	

Overload Protection : 600V DC or 600V rms AC

CAPACITANCE

Range	Resolution	Accuracy
4.000 nF	0.001 nF	±(4.0%rdg + 50 dgts)
40.00 nF	0.01 nF	
400.0 nF	0.1 nF	±(4.0%rdg + 3 dgts)
4.000 μF	1 nF	
40.00 μF	10 nF	
400.0 μF	100 nF	
4.000 mF	1 μF	
40.00 mF	10 μF	

Overload Protection : 600V DC or 600V rms AC

TEMPERATURE

Range	Resolution	Accuracy
-40 ~ 1000°C	1°C	± (2.0% rdg + 2°C)
-40 ~ 1832°F	1°F	± (2.0% rdg)

Accuracy does not include the error of thermocouple probe.
Overload Protection : 600V DC or 600V rms AC

BUZZER CONTINUITY

Function	Resolution	Description
	0.1Ω	Beeper sounds when Resistance is less than 50Ω

Overload : 600V DC or 600V rms AC
Open Circuit Voltage: about 2.1V.

DIODE TEST

Function	Range	Description
	1mV	Forward voltage drop value Open Circuit Voltage : about 2.3V

Overload : 600V DC or 600V rms AC

All Specifications are subject to change without prior notice.