KUSAM-MECO®
An ISO 9001:2015 Company

600A AC TRMS DIGITAL CLAMPMETER
Model - KM 2731

THINK SAFETY
THINK KUSAM-MECO®

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 :** 3-5/6 Digit 6000 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 :** DC 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, 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
600 mV	0.1 mV	±(0.5% rdg + 3 dgts)
6 V	0.001 V	±(0.8% rdg + 2 dgts)
60 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
6 V	0.001 V	±(1.0% rdg + 10 dgts)
60 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
6 A	0.001 A	± (2.5% rdg + 10 dgts)
60 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
600 Ω	0.1 Ω	±(1.2 %rdg + 2 dgts)
6 KΩ	0.001 kΩ	
60 KΩ	0.01 kΩ	
600 KΩ	0.1 kΩ	
6 MΩ	0.001MΩ	
60 MΩ	0.01 MΩ	±(2.0 %rdg + 5 dgts)

Overload Protection : 600V DC or 600V rms AC

CAPACITANCE

Range	Resolution	Accuracy
6.000 nF	0.001 nF	±(4.0%rdg + 50 dgts)
60.00 nF	0.01 nF	±(4.0%rdg + 3 dgts)
600.0 nF	0.1 nF	
6.000 µF	1 nF	
60.00 µF	10 nF	
600.0 µF	100 nF	
6.000 mF	1 µF	
60.00 mF	10 µF	

Overload Protection : 600V DC or 600V rms AC

TEMPRATURE

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.

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