KUSAM-MECO®
An ISO 9001:2015 Company

600A AC/DC TRMS DIGITAL CLAMPMETER
Model - KM 2733

THINK SAFETY
THINK KUSAM-MECO®

GENERAL SPECIFICATIONS :

- Maximum input voltage between input socket and the earth: 600V RMS
- **The measuring principle :** Double integral A/D conversion
- **Sampling time :** about 3 times / second
- **Display :** 3-5/6 Digit 6000 Counts Backlight LCD display
- **Jaw Opening :** Max. 28mm
- **Input polarity :** Display " - "
- **Range Selection :** Auto ranging
- **Over range indication :** "OL" or "-OL"
- **Inbuilt flashlight**
- **Data Hold Function**
- **Operating temperature :** 0°C ~ 40°C (<80% RH)
- **Storage temperature :** -10°C ~ 50°C (<70% RH, Exclude batteries)
- **Low battery indication.**
- **Auto power off :** After 15 minutes.
- **Power :** 1.5V AAA x 3 battery.
- **Dimension :** Approx. 218(L) x 84(W) x 41(H)mm.
- **Weight :** Approx. 230 gm (Including batteries)
- **Accessories :** Test leads (pair), User's manual, Battery & Carrying case.

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

NEW

CAT III 600V DC/AC



Preliminary Data

ELECTRICAL SPECIFICATIONS KM 2733

Accuracy is ± (% reading digits + number of digits) or otherwise specified, at 18°C ± 28°C; <80% R.H.

Under AC Current measurement, put the conductor under test in the middle of clamp of getting the accurate value.

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 or 600V AC RMS

AC CURRENT (TRMS)

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

Maximum Input Current : 600A AC
Frequency Range : 40Hz ~ 400Hz

DC CURRENT

Range	Resolution	Accuracy
6 A	0.01 A	± (2.5% rdg + 8 dgts)
60 A	0.1 A	
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	
6 MΩ	0.001MΩ	±(1.2 %rdg + 3 dgts)
60 MΩ	0.01 MΩ	

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 50Ω

Overload Protection: 250V DC or AC RMS

AC VOLTAGE

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
Measurement through Current Range

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 RMS
Input signal range : 4A RMS

FREQUENCY
Measurement through Voltage Range

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 Voltage : 600V AC RMS
Input impedance : 10MΩ

FREQUENCY
Measure through Hz / % range

Range	Resolution	Accuracy
9.999Hz	0.001Hz	± (0.5% rdg + 2dgts)
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	±(4.0%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 RMS

TEMPRATURE

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%

Input impedance : 10MΩ
Maximum input Voltage : 600V AC RMS
Frequency response : 10Hz ~ 10MHz

DIODE TEST

Function	Range	Description
→|←	0.001V	Display approximate for ward voltage of diode

Overload Protection: 250V DC or AC RMS

All Specifications are subject to change without prior notice.

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