KUSAM-MECO®
An ISO 9001:2015 Company

600A AC/DC TRMS DIGITAL CLAMPMETER
Model - KM 2732

THINK SAFETY
THINK KUSAM-MECO®

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 2000m
- **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

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

- **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.

NEW

CAT III 600V DC/AC



Preliminary Data

ELECTRICAL SPECIFICATIONS KM 2732

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	±(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 : 600A AC
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	
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
•)))	0.1Ω	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 + 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	±(4.5%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

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%

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 for ward 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.

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