KUSAM-MECO®
An ISO 9001:2015 Company

DIGITAL TRMS MULTIMETER
Model- KM 601T+

THINK SAFETY
THINK KUSAM-MECO®

FEATURES :

- Manual ranging
- Full ranges overload protection
- Over range indication
- Diode Test
- Continuity Test
- Transistor Test
- NCV Test

NEW

CAT II 600V



Preliminary Data

General Specifications :

- Sensing : True RMS Sensing
- Display : 3½ digits 1999 counts
- Display size : 63 x 32mm
- **The maximum voltage allowed between the measuring end & the ground :** 1000V DC or AC 750V
- **Fuse :** 20mA / 250V on mA & no fuse on 20A
- Low battery display "🔋"
- **Over range display :** 'OL' or '-OL'.
- **Automatic shutdown time :** no activity after about 15 minutes
- **Sampling time :** about 3 times / sec
- **Unit display :** with function, power unit display
- **Static working current :** <2.0mA (no backlight)
- **Operating Temperature :** 18°C ~ 28°C
- **Storage Temperature :** -10°C ~ 50°C
- **Power Supply :** 1.5V x 2 AAA batteries
- **Dimension :** Approx. 192 x 90 x 35mm
- **Weight :** Approx. 211 grams (including battery)
- **Accessories :** Manual, Test lead pair, Battery & carrying case

Safety : IEC-61010-1. CE Approved

ELECTRICAL SPECIFICATIONS KM 601T+

DC VOLTAGE

RANGE	RESOLUTION	ACCURACY
200 mV	0.1mV	±(0.8%rdg + 3dgts)
2 V	0.001V	±(0.5%rdg + 3dgts)
20 V	0.01V	
200 V	0.1V	
1000 V	1V	±(1.0%rdg + 3dgts)

Input impedance : 10MW
Maximum input Voltage : 1000V DC
NOTE :
In the very Low voltage range, even if the test leads are not connected to the measured circuit; the meter may be showing some readings. This is normal because of the high sensitivity of the meter, which does not affect the actual measurement results.

AC VOLTAGE (TRMS) (5% to 100%)

RANGE	RESOLUTION	ACCURACY
200 mV	0.1mV	±(1.2%rdg + 3dgts)
2 V	0.001V	±(0.8%rdg + 3dgts)
20 V	0.01V	
200 V	0.1V	
750 V	1V	±(1.2%rdg + 3dgts)

Input impedance : 10MW
Maximum input Voltage : 750V AC (rms)
Frequency range : 40 ~ 1000Hz
In the very Low voltage range, even if the test leads are not connected to the measured circuit; the meter may be showing some readings. This is normal because of the high sensitivity of the meter, which does not affect the actual measurement results.

DC CURRENT

RANGE	RESOLUTION	ACCURACY
20 mA	0.01mA	±(0.8%rdg + 5dgts)
200 mA	0.1mA	±(1.0%rdg + 5dgts)
20 A	0.01A	±(2.5%rdg + 5dgts)

Minimum Input Current : 2mA (FF200mA / 250V)
Maximum input Current : 20A (no fuse)
When the measured current is greater than 20A, the continuous measurement time is no longer than 10 seconds, after the measurement to stop the current measurement for more than 15 minute.

RESISTANCE

RANGE	RESOLUTION	ACCURACY
200 W	0.1W	±(1.0%rdg + 5dgts)
2 kW	0.001kW	±(0.8%rdg + 5dgts)
20 kW	0.01kW	
200 kW	0.1kW	
2 MW	0.001MW	±(1.2%rdg + 5dgts)
20 MW	0.01MW	±(2.0%rdg + 5dgts)
200 MW	0.1MW	±(5.0%rdg + 10dgts)

Open Circute Voltage : Around 1.0V
Overloading Protection : 250V DC & AC (RMS)

CAPACITANCE

RANGE	RESOLUTION	ACCURACY
20 nF	0.01nF	±(4.0%rdg + 10dgts)
200 nF	0.1nF	
2 mF	0.001mF	
20 mF	0.01mF	±(5.0%rdg + 10dgts)

Overloading Protection : 250V DC & AC (RMS)

AC CURRENT (TRMS) (5% TO 100%)

RANGE	RESOLUTION	ACCURACY
20 mA	0.01mA	±(0.8%rdg +10dgts)
200 mA	0.1mA	±(1.0%rdg +10dgts)
20 A	0.01A	±(2.5%rdg +10dgts)

Frequency Response : 40Hz ~ 1000Hz True RMS
Minimum Input Current : 2mA (FF200mA / 250V)
Maximum input Current : 20A (no fuse)
When the measured current is greater than 20A, the continuous measurement time is no longer than 10 seconds, after the measurement to stop the current measurement for more than 15 minute.

TRANSISTOR TEST

RANGE	DESCRIPTION	TEST CONDITIONS
hFE	The display reads the hFE approxi-mation (0 ~ 1000)	Base Current approx.10mA :Vee Approx 2.8V

DIODE TEST

RANGE	RESOLUTION	FUNCTION
▶|	0.001V	Displays the approx. diode forward voltage.

Forward DC Current of about 1mA
Reverse DC Voltage of about 2.65V
Overload protection : 250V DC or AC (rms)

CONTINUITY TEST

RANGE	RESOLUTION	FUNCTION
•))	0.1W	If the measured resistance is less than 50W, the buzzer inside the instrument may sound or may not sound.

Overloading Protection : 250V DC & AC (RMS)

All Specifications are subject to change without prior notice.

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