

FEATURES:

- Test lead jack mechanical protection function & full Range over-load protection function
- Low power consumption CMOS double integration, A/D transform integrated circuit
- Back light display
- Auto Zero Calibration
- Auto Polarity display
- Low Battery & Over range indication.
- Selected range displayed on LCD.
- Instant continuity Buzzer.
- Recessed safety designed Input jacks
- "DATA HOLD" switch freezes reading.

ACCESSORIES :

Test leads, User's Manual, Battery, Carrying Case, Protective Holster, Temperature Probe.

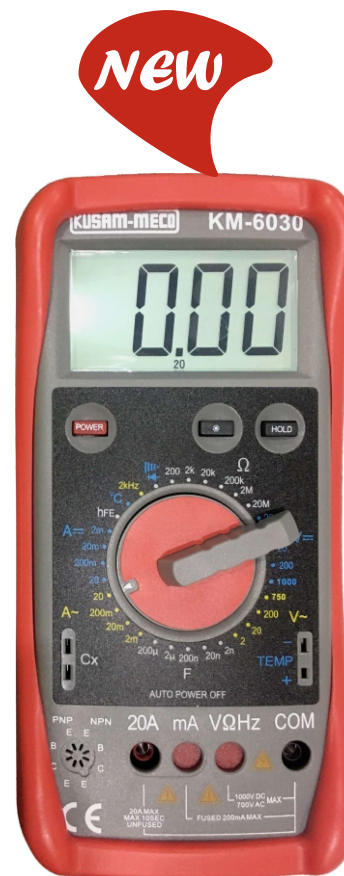
OPTIONAL ACCESSORIES:

Current Clamp CA 300, Current Clamp Adaptor CA500, CA1000, CA2000, High Voltage Probe PD-28.

GENERAL SPECIFICATIONS :

- * Sensing : Average Sensing.
- * Display : 3½ digit 1999 counts LCD display, with automatic sign and Function annunciators.
- * Digit height : 28mm
- * Over range indication : Highest digit of (1) or (-1) is displayed.
- * Polarity : Automatic (-)negative polarity indication.
- * Low battery : The "BAT" sign is displayed when the battery Voltage drops below the operating Voltage.
- * Measurement rate : 2.5 measurements per second , nominal.
- * Operating Temperature : 0°C to 40°C; (32°F to 104°F).
- * Storage Temperature : -10°C to 50°C; (14°F to 122°F).
- * Auto Power Off : The meter will shut off automatically about 15 Minutes after power is ON if the meter is not in use.
- * Power : Single 9 V Battery.
- * Dimension : 192 (L) x 88 (W) x 42 (H) mm
- * Weight : Approx. 600gms. (including battery)

21 FUNCTIONS 32 RANGES



ELECTRICAL SPECIFICATIONS - KM 6030

Accuracy specifications at 23°C ± 5°C less than 75% R.H.

DC VOLTAGE

Range	Resolution	Accuracy
200 mV	100 µV	±(0.5%rdg + 3dgts)
2 V	1 mV	
20 V	10 mV	
200 V	100 mV	±(1.0%rdg + 5dgts)
1000 V	1 V	

Input Impedance : 10MΩ

Overload Protection : 200mV is 250V DC or AC RMS.

All other ranges 1000VDC or AC rms.

AC VOLTAGE

Range	Resolution	Accuracy
2 V	1 mV	±(1.0%rdg + 5dgts)
20 V	10 mV	
200 V	100 mV	
750 V	1 V	±(1.2%rdg + 5dgts)

Input Impedance : 200mV : 1MΩ, Other ranges : 10MΩ
Frequency : 40Hz-400Hz.

Overload protection : 200mV is 250VDC or AC RMS. All other ranges is 1000V DC or AC RMS.

Display : Average Value (RMS of Sine Wave).

AC CURRENT

Range	Resolution	Accuracy
2 mA	1 µA	±(1.2%rdg + 5dgts)
20 mA	10 µA	
200 mA	100 µA	±(2.0%rdg + 5dgts)
20 A	10 mA	±(3.0%rdg + 10dgts)

Overload Protection : 0.2A/250V Fuse (No fuse on 20A range).

Max Input Current : 20A (above 10A for 15 sec. maximum).

Frequency : 40Hz - 400Hz.

Display : Average value (RMS of Sine Wave).

DC CURRENT

Range	Resolution	Accuracy
2 mA	1 µA	±(1.0%rdg + 3dgts)
20 mA	10 µA	
200 mA	100 µA	±(1.5%rdg + 5dgts)
20 A	10 mA	±(2.0%rdg + 10dgts)

Overload Protection : 0.2A/250V Fuse (No fuse on 20A range).

Max Input Current : 20A (above 10A for 15 sec. maximum).

Measuring Voltage Drop : Full range is 200mV.

CAPACITANCE

Range	Resolution	Accuracy
2 nF	1 pF	±(4.0%rdg + 3dgts)
20 nF	10 pF	
200 nF	100 pF	
2 µF	1 nF	±(5.0%rdg + 3dgts)
200 µF	100 nF	

Testing frequency and voltage : around 400Hz 40mVrms.

Overload Protection : Maximum 36V DC or AC RMS.

TEMPERATURE

Range	Resolution	Accuracy
-40°C~0°C	1°C	±(5.0%rdg + 5dgts)
0°C~400°C		±(1.0%rdg + 3dgts)
400°C~1000°C		±(3.0%rdg + 4dgts)

TRANSISTOR hFE PARAMETER MEASUREMENT

Range	Comment	Measuring condition
hFE	Can measure NPN or PNP transistor hFE. Range : 0-1000 β	Basic polarity current abt 10µA, Vce abt 2.8V.

DIODE AND CONTINUITY MEASUREMENT

	Comment	Measuring Condition
➔	1mV Display diode forward voltage	Forward DC Current about 1mA Backward DC Voltage about 2.8V
)))	- Beeper sounds if Continuity Resistance < 70Ω ± 20Ω.	Open circuit Voltage about 2.8V

Overload Protection : 250V DC or AC RMS.

FREQUENCY

Range	Resolution	Accuracy
2 KHz	1 Hz	±2.0% rdg + 5 dgts

Overload Protection : 250V DC or AC rms.

Input Sensitivity : >200mV rms

All Specifications are subject to change without prior notice