

3½ DIGIT DIGITAL AUTOMOTIVE TEST METER

12 FUNCTIONS 37 RANGES

Model- KM 6060



FEATURES:

- Low power consumption CMOS double integration A/D transform integrated circuit
- Auto zero Calibration
- Auto polarity display
- Data hold
- Low battery and Over - range indication.
- Full range over load protection function.

ACCESSORIES :

Test lead pair, Carrying case, Holster, User's Manual, & Temperature Probe.

OPTIONAL ACCESSORIES:

Current Clamp CA 300, Current Clamp Adaptor CA500, Ca1000, CA2000, High Voltage Probe PD-28.

GENERAL SPECIFICATIONS:

- * Sensing : Average Sensing.
- * DC Basic Accuracy : $\pm 0.5\%$
- * Display : 3½ digit 1999 counts.
- * LCD display : 70 x 48mm large LCD
- * Digit height : 28mm
- * Backlight display, It is suitable for use in the poor lit Environment
- * Auto power off function : The meter will shut off automatically about 15 seconds after no activity
- * Operation Temperature : 0°C - 50°C; <85% R.H.
- * Storage Temperature : -10°C - 60°C; <70% R.H.
- * Power : Standard 9V battery.
- * Dimension : 192 x 88 x 42mm
- * Weight : approx 400g (including battery)

ELECTRICAL SPECIFICATIONS - KM 6060

Accuracy : \pm (%reading + digit)

Environment Temperature : 23°C \pm 5°C. Relative Humidity : <75%

CLOSED ANGLE GAUGE

Range	Resolution	Accuracy
1 CYL 0 - 180.0°	0.1°	$\pm(1.2\%rdg + 2dpts)$
3 CYL 0 - 120.0°	0.1°	
4 CYL 0 - 90.0°	0.1°	
5 CYL 0 - 72.0°	0.1°	
6 CYL 0 - 60.0°	0.1°	
8 CYL 0 - 45.0°	0.1°	

Overload Protection : 250V, DC or AC peak value.

AC VOLTAGE

Range	Resolution	Accuracy
2 V	1 mV	$\pm(0.5\%rdg + 3dpts)$
20 V	10 mV	$\pm(0.5\%rdg + 3dpts)$
200 V	100 mV	$\pm(0.5\%rdg + 3dpts)$
1000 V	1 V	$\pm(0.8\%rdg + 3dpts)$

Input Impedance : 10M

Frequency range : 40Hz - 400Hz

Overload Protection : 1000V, DC or AC peak value.

Display : Average value (Sine RMS)

AC CURRENT

Range	Resolution	Accuracy
200 mA	100 A	$\pm(1.2\%rdg + 3dpts)$
20 A	10 mA	$\pm(2\%rdg + 5dpts)$

Overload Protection : 0.2A / 250V fuse

Maximum input current : 20A / 15 second

Voltage drop measurement : Full-scale Voltage drop : 200mV

Frequency range : 40Hz - 400Hz

Display : Average value (Sine RMS)

ROTATIONAL SPEED

Range	Resolution	Accuracy
1 CYL	500-10000 rotation / min	$\pm(1.2\%rdg + 2dpts)$
3 CYL		
4 CYL		
5 CYL		
6 CYL		
8 CYL		

Overload Protection : 250V, DC or AC peak value.

TRANSISTOR hFE PARAMETER TEST

Range	Description
hFE	Can measure either NPN type or PNP type transistor hFE parameter test from range: 0-2000

Test Condition : 1b approx 10 A, Vce approx 2.8V

CAPACITANCE

Range	Resolution	Accuracy
20 nf	10 pF	$\pm(3\%rdg + 3dpts)$
2 F	1 nF	$\pm(3\%rdg + 3dpts)$
200 F	100 nF	$\pm(5\%rdg + 3dpts)$

Frequency measurement : approx. 400Hz

Voltage drop measurement : approx. 40mV

RESISTANCE

Range	Resolution	Accuracy
200	0.1	$\pm(0.8\%rdg + 3dpts)$
2 K	1	$\pm(0.8\%rdg + 2dpts)$
20 K	10	$\pm(0.8\%rdg + 2dpts)$
200 K	100	$\pm(0.8\%rdg + 2dpts)$
2 M	1 K	$\pm(0.8\%rdg + 2dpts)$
20 M	10 K	$\pm(1\%rdg + 5dpts)$
200 M	100 K	$\pm(5\%rdg + 10dpts)$

Overload Protection : 250V DC or AC peak value

Open circuit Voltage : <1V (2.8V in the 200M)

Note : It is normal if the test lead short-circuit displays approx. 10 digits in the 200M .

Please deduct these 10 digits when measuring.

DC VOLTAGE

Range	Resolution	Accuracy
2 V	1 mV	$\pm(0.5\%rdg + 3dpts)$
20 V	10 mV	$\pm(0.5\%rdg + 3dpts)$
200 V	100 mV	$\pm(0.5\%rdg + 3dpts)$
1000 V	1 V	$\pm(0.8\%rdg + 3dpts)$

Input Impedance : 10M

Overload Protection : 1000V, DC or AC peak value.

DC CURRENT

Range	Resolution	Accuracy
200 mA	100 A	$\pm(1.2\%rdg + 3dpts)$
20 A	10 mA	$\pm(2\%rdg + 3dpts)$

Overload Protection : 0.2A / 250V fuse

Maximum input current : 20A / 15 second

Voltage drop measurement : Full-scale Voltage drop : 200mV

TEMPERATURE (K type Thermocouple)

Range	Accuracy
-40°C-400°C	$\pm(0.75\%rdg + 4dpts)$
400°C-1000°C	$\pm(1.5\%rdg + 15dpts)$

Resolution : 1°C

Thermocouple accuracy not included

Supplied Thermocouple is suitable for measurement upto 250°C

DIODE & CONTINUITY MEASUREMENT

	Indicate forward voltage drop of diode	Forward current is approx 1mA. Reverse voltage is approx 2.8V
	The buzzer will beep when resistance approx <30	Open circuit voltage is approx 2.8V

DUTY RATIO

Range	Resolution	Accuracy
0-100.0%	0.1%	$\pm(1.2\%rdg + 2dpts)$

Overload Protection : 250V, DC or AC peak value.

All Specifications are subject to change without prior notice