KUSAM-MECO®

An ISO 9001:2008 Company

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 protecton 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 :** ±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 automatcilly 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 : ± (%reading + digit)

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

CLOSED ANGLE GAUGE

Range		Resolution	Accuracy
1 CYL	0 - 180.0°	0.1°	±(1.2%rdg + 2dgts)
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	±(0.5%rdg + 3dgts)
20 V	10 mV	±(0.5%rdg + 3dgts)
200 V	100 mV	±(0.5%rdg + 3dgts)
1000 V	1 V	±(0.8%rdg + 3dgts)

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	±(1.2%rdg + 3dgts)
20 A	10 mA	±(2%rdg + 5dgts)

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)

R0TATIONAL SPEED

Range		Resolution	Accuracy
1 CYL	500-10000 rotation / min	10 rotation / min	±(1.2%rdg + 2dgts)
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	±(3%rdg + 3dgts)
2 F	1 nF	±(3%rdg + 3dgts)
200 F	100 nF	±(5%rdg + 3dgts)

Frequency measurement : approx. 400Hz
Voltage drop measurement : approx. 40mV

RESISTANCE

Range	Resolution	Accuracy
200	0.1	±(0.8%rdg + 3dgts)
2 K	1	±(0.8%rdg + 2dgts)
20 K	10	±(0.8%rdg + 2dgts)
200 K	100	±(0.8%rdg + 2dgts)
2 M	1 K	±(0.8%rdg + 2dgts)
20 M	10 K	±(1%rdg + 5dgts)
200 M	100 K	±(5%rdg + 10dgts)

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	±(0.5%rdg + 3dgts)
20 V	10 mV	±(0.5%rdg + 3dgts)
200 V	100 mV	±(0.5%rdg + 3dgts)
1000 V	1 V	±(0.8%rdg + 3dgts)

Input Impedance : 10M
Overload Protection : 1000V, DC or AC peak value.

DC CURRENT

Range	Resolution	Accuracy
200 mA	100 A	±(1.2%rdg + 3dgts)
20 A	10 mA	±(2%rdg + 3dgts)

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	±(0.75%rdg + 4dgts)
400°C-1000°C	±(1.5%rdg + 15dgts)

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%	±(1.2%rdg + 2dgts)

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

All Specifications are subject to change without prior notice

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