KUSAM-MECO®

An ISO 9001:2008 Company

4½ DIGIT DIGITAL MULTIMETER WITH TERMINAL BLOCKING PROTECTION

10 FUNCTIONS 30 RANGES

Model - KM 6050

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.
- Test lead jack mechanical protection functionand full range over - load protection function.
- Auto power off function

GENERAL SPECIFICATIONS :

- ✶ **Sensing :** Average Sensing.
- ✶ **Basic Accuracy :** ±0.05%
- ✶ **Capacitance measureement :** 0-200µF
- ✶ **Display :** 4½ digit 19999 counts Large LCD display
- ✶ **Display Size :** 70 x 48mm
- ✶ **Digit Size :** 28mm
- ✶ **Low battery indication :** "🔋" will occur on the left top of the LCD.
- ✶ **Operation Temperature :** 0°C~ 50°C; <85% R.H.
- ✶ **Storage Temperature :** -10°C ~ 60%; <85% R.H.
- ✶ **Power :** Standard 9V battery.
- ✶ **Dimension :** 192(L) x 88(W) x 42(H)mm
- ✶ **Weight :** approx.400g (including battery and holster)

ACCESSORIES :

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

OPTIONAL ACCESSORIES :

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

ELECTRICAL SPECIFICATIONS - KM 6050

Accuracy : ± (%reading + digit)

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

DC VOLTAGE

Range	Resolution	Accuracy
200 mV	10 V	±(0.05%rdg + 5dgts)
2 V	100 V	±(0.05%rdg + 5dgts)
20 V	1 mV	±(0.05%rdg + 5dgts)
200 V	10 mV	±(0.05%rdg + 5dgts)
1000 V	100 mV	±(0.1%rdg + 5dgts)

Input Impedance : 10M
Overload Protection : 250V (for 200mV) DC or AC peak value. 1000V (for other ranges)

AC VOLTAGE

Range	Resolution	Accuracy
2 V	100 V	±(0.8%rdg + 10dgts)
20 V	1 mV	±(0.8%rdg + 10dgts)
200 V	10 mV	±(0.8%rdg + 10dgts)
1000 V	100 mV	±(1.2%rdg + 15dgts)

Input Impedance : 2M
Frequency range : 40Hz - 400Hz
Overload Protection : 250V, (for 200mV) DC or AC peak value. 1000 V (for other ranges)
Display : Average value (Sine RMS)

DC CURRENT

Range	Resolution	Accuracy
2 mA	100 nA	±(0.5%rdg + 2dgts)
20 mA	1 A	±(0.5%rdg + 2dgts)
200 mA	10 A	±(0.75%rdg + 5dgts)
20 A	1 mA	±(2%rdg + 10dgts)

Overload Protection : 0.2A / 250V fuse
Maximum input current : 20A (15 second max.)
Voltage drop measurement : Full-scale Voltage drop : 200mV

AC CURRENT

Range	Resolution	Accuracy
2 mA	100 nA	±(0.8%rdg + 10dgts)
20 mA	1 A	±(0.8%rdg + 10dgts)
200 mA	10 A	±(1.5%rdg + 10dgts)
20 A	1 mA	±(2%rdg + 10dgts)

Overload Protection : 0.2A / 250V fuse
Maximum input current : 20A (15 second max.)
Voltage drop measurement : Full-scale Voltage drop : 200mV
Frequency Range : 40Hz ~ 400Hz
Display : Average value (Sine RMS)

RESISTANCE

Range	Resolution	Accuracy
200	10 m	±(0.2%rdg + 5dgts)
2 K	100 m	±(0.2%rdg + 1dgts)
20 K	1	±(0.2%rdg + 1dgts)
200 K	10	±(0.2%rdg + 1dgts)
2 M	100	±(0.2%rdg + 1dgts)
20 M	1 K	±(0.5%rdg + 5dgts)
200 M	10 K	±(0.5%rdg + 10dgts)

Overload Protection : 250V DC or AC peak value
Open circuit Voltage : <1V (2.8V in the 200M range).
Note : It is normal if the test lead short-circuit displays approx. 10 digits in the 200M position. Please deduct these 10 digits when measuring.

CAPACITANCE

Range	Resolution	Accuracy
2 nF	0.1 pF	±(2.5%rdg + 10dgts)
20 nF	1 pF	±(2.5%rdg + 10dgts)
200 nF	10 pF	
2 F	100 pF	
200 F	10 nF	

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

FREQUENCY

Range	20 kHZ
Resolution	1 Hz
Accuracy	±(2%rdg + 5dgts)

Overload Protection : 250V DC or AC peak value.
Input sensitivity : 150 mV RMS.

TRIODE hFE PARAMETER MEASUREMENT

Range	Description
hFE	It can measure NPN or PNP type transistor triode hFE parameter. Indication range: 0-1000

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

DIODE & CONTINUITY MEASUREMENT

Range	Description
⊣▶	Indicate forward Voltage drop of diode
Test Condition	
Forward-way current is approx 1mA, contray-way voltage is approx 2.8V	
((o	The buzzer will beep when resistance approx <30
Test Condition	
Open circuit voltage is approx 2.8V	

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

All Specifications are subject to change without prior notice

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