KUSAM-MECO®
An ISO 9001:2015 Company

3¾ DIGIT 3999 COUNTS DIGITAL MULTIMETER LCR METER
Model KM 307

THINK SAFETY
THINK KUSAM-MECO®

SPECIAL FEATURES :

- Polarity Function
- Data Hold facility
- Auto range
- Transistor hFE test
- LCD Display
- Auto Power Off
- Low battery indication
- Diode Test, HFE, Continuity Test & Duty Cycle

18 FUNCTIONS 38 RANGES
Model KM 307



Preliminary Data

GENERAL SPECIFICATIONS :

- ✷ **Display :** 3¾ digit LCD display (4000 Counts)
- ✷ **Low Battery Indication :** The "🪫" is displayed when the battery voltage drops below 2.4V.
- ✷ **Over range Indication :** 'OL' indication.
- ✷ **Power :** 1.5V AA x 2 battery.
- ✷ **Dimension :** Aporox. 187(L)mm x 88(W)mm x 32(H)mm.
- ✷ **Weight :** Approx. 200g. (Including battery)
- ✷ **ACCESSORIES :** Test lead, User's manual, Battery, Carying case

ELECTRICAL SPECIFICATIONS

Accuracy is ± (% reading digits + number of digits) or otherwise specified, at 23°C ± 5°C

AC CURRENT

Range	Resolution	Accuracy
400 mA	0.1 mA	± (1.8%rdg + 3dgts)
4000 mA	1 mA	
40 mA	10 mA	± (2.0%rdg + 3dgts)
400 mA	0.1 mA	
20 A	10 mA	± (2.5%rdg + 5dgts)

Overload Protection : Fast fuse 0.5A/250V & 10A/250V

DC CURRENT

Range	Resolution	Accuracy
400 mA	0.1 mA	±(1.2%rdg + 2dgts)
4000 mA	1 mA	
40 mA	10 mA	±(1.5%rdg + 2dgts)
400 mA	0.1 mA	
20 A	10 mA	±(2%rdg + 3dgts)

Overload Protection : Fast fuse 0.5A/250V & 10A/250V

AC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(1.8% rdg + 5 dgts)
4 V	1 mV	±(1.0% rdg + 3 dgts)
40 V	10 mV	
400 V	0.1 V	
750 V	1 V	±(1.5% rdg + 3 dgts)

Input Impedance : 10M
AC Voltage Respond Frequency: 50 Hz~400Hz for 400 and 50Hz~100HZ for 750V
Overload Protection : 400mV range 500V rms 750V RMS

CAPACITANCE

Range	Resolution	Accuracy
4 nF	1 pF	±(5.0%rdg + 25dgts)
40 nF	10 pF	±(2.5%rdg + 10dgts)
400 nF	100 pF	±(2.0%rdg + 4dgts)
4 mF	1 nF	
40 mF	10 nF	
100 mF	100 nF	Unspecified,>30Sec

Overload Protection : 250V rms

RESISTANCE

Range	Resolution	Accuracy
400 W	0.1 W	±(1%rdg + 2dgts)
4 KW	1 W	
40 KW	10 W	
400 KW	100 W	
4 MW	1 KW	
40 MW	10 KW	±(1.5%rdg + 2dgts)

Overload Protection : 250V rms

DC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	±(1.0% rdg + 2 dgts)
4 V	1 mV	±(0.8% rdg + 2 dgts)
40 V	10 mV	
400 V	0.1 V	
1000 V	1 V	

Input resistance : 10M
Overload Protection : 400mV range 500V rms 1000V DC RMS

INDUCTANCE

Range	Resolution	Accuracy
4 mH	1 mH	±(5.0%rdg + 25dgts)
40 mH	10 mH	±(2.5%rdg + 10dgts)
400 mH	100 mH	±(2.0%rdg + 3dgts)
4 H	1 mH	±(5.0%rdg + 25dgts)

Test Frequency: Approx.1KHz

DIODE & CONTINUITY

Range	Description
→|	Display read approx. Forward Voltage of diode. Accuracy:±(3.0%rdg+3)
•))	If the resistance is less than 30Ω, the beeper sounds continuously

Note: Overload Protection : 250V rms

TRANSISTOR hFE TEST

Range		Description	Test condition
hFE	NPN	Display read approx. hFE value(0~1000) of transistor under test	I_b≈10mA V_{ce}≈1.5V
	PNP		

FREQUENCY

Range	Resolution	Accuracy
9.99 Hz	0.01 Hz	Unspecified
99.9Hz - 9.99MHz	0.1Hz ~ 0.01MHz	±(0.2%rdg + 3dgts)

Overload Protection : 250V rms

DUTY CYCLE:

Range	0.1% to 99.9%

All Specifications are subject to change without prior notice.

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