

3 3/4 DIGITS 4000 COUNTS AUTORANGING, DIGITAL MULTIMETER

14 FUNCTIONS; 39 RANGES

Model 207MK1-(T)

SPECIAL FEATURES :

- Low power consumption CMOS double integration. A/D transform integrated circuit
- High Accuracy Digital readings
- Auto Zero Calibration
- Instant continuity buzzer
- Average Sensing
- Data Hold switch freezes reading
- Alarm Buzzer sounds when the lead is connected to the wrong input terminals.

FEATURES :

- Overload protection in all ranges
- Recessed safety designed Input jacks
- Over range indication
- Auto polarity display
- Selected range displayed on LCD
- Low battery indication
- Auto power off
- Transistor hFE Test

ACCESSORIES :

Test leads, User's manual, Battery, Carrying case, Protective Holster & Temperature probe.

GENERAL SPECIFICATIONS :

- * **Sensing** : Average Sensing.
- * **Basic Accuracy** : $\pm(0.8\%rdg + 2dgt)$
- * **Display** : 3 3/4 digit LCD display (3999 Counts)
- * **Digit Size** : 13.5mm
- * **Measurement Rate** : 2.5 measurements per second, nominal.
- * **Over range Indication** : (1) or (-1) displayed
- * **Operating Temperature** : 0°C to 50°C, <75% R.H.
- * **Storage Temperature** : -20°C to 60°C, <80% R.H. With battery removed
- * **Low battery** : The "batt" sign is displayed when the battery voltage drops below the operating voltage.
- * **Accuracy** : Accuracy specifications at 23°C \pm 5°C less than 75% R.H.
- * **Power** : Single, Standard 9V battery
- * **Dimension** : 151(L) x 70(W) x 38(H)
- * **Weight** : Approx. 210gm. (Including battery)

OPTIONAL ACCESSORIES:

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



ELECTRICAL SPECIFICATIONS : 207 MK-1(T)

Accuracy : \pm (% reading + digit) at 23 \pm 5°C less than 75% RH.

DC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	$\pm(0.8\%rdg + 2dgt)$
4 V	1 mV	
40 V	10 mV	
400 V	100 mV	
1000 V	1 V	

Input Impedance : 10M

Overload Protection : 400mV range 500V rms
Other ranges 1000V DC / 750V AC RMS

AC VOLTAGE

Range	Resolution	Accuracy
400 mV	0.1 mV	$\pm(1.8\%rdg + 5dgt)$
4 V	1 mV	
40 V	10 mV	
400 V	100 mV	
750 V	1 V	

Input Impedance : 10M

Overload Protection : 400mV range 500V rms
Other ranges 1000V DC / 750V AC RMS

AC CURRENT (Avg. Sine wave)

Range	Resolution	Accuracy
400 A	0.1 A	$\pm(1.8\%rdg + 3dgt)$
4000 A	1 A	
40 mA	10 A	$\pm(2.0\%rdg + 3dgt)$
400 mA	100 A	
10 A	10 mA	

Overload Protection : Fast fuse 0.8A/250V & 10A/250V
Input Voltage drop : 0.8V

DC CURRENT

Range	Resolution	Accuracy
400 A	0.1 A	$\pm(1.2\%rdg + 2dgt)$
4000 A	1 A	
40 mA	10 A	$\pm(1.5\%rdg + 2dgt)$
400 mA	100 A	
10 A	10 mA	

Overload Protection : Fast fuse 0.8A/250V & 10A/250V
Input Voltage drop : 0.8V

CAPACITANCE

Range	Resolution	Accuracy
4 nF	1 pF	$\pm(5.0\%rdg + 25dgt)$
40 nF	10 pF	
400 nF	100 pF	
4 F	1 nF	$\pm(3.5\%rdg + 4dgt)$
40 F	10 nF	
200 F	100 nF	

Overload Protection : 250V rms

TEMPERATURE (K-Type Thermocouple)

Range	Resolution	Accuracy
-20°C-400°C	1°C	$\pm(0.75\%rdg + 4dgt)$
400°C-750°C	1°C	$\pm(1.5\%rdg + 15dgt)$

Thermocouple accuracy not included. Supplied Thermocouple is suitable for measurement upto 250°C

RESISTANCE

Range	Resolution	Accuracy
400	0.1	$\pm(1\%rdg + 2dgt)$
4 K	1	
40 K	10	
400 K	100	
4 M	1 K	
40 M	10 K	

Overload Protection : 250V rms

FREQUENCY

Range	Resolution
9.999 Hz	0.01 Hz
9.999 MHz	1 kHz

Overload Protection : 250V rms
Sensitivity : 0.7V rms
Accuracy : $\pm(0.1\%rdg + 4dgt)$

TRANSISTOR hFE TEST

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

Basic DC Current : approx. 10 A
Vec : approx. 2.8V

DIODE & CONTINUITY TEST

Description	
Indicate approx forward-way voltage drop of diode	Forward-way current is approx. 1mA conray-way voltage is approx. 2.8V. Open circuit voltage is approx. 2.8V
The buzzer inside sounds when continuity resistance is about <50	

Overload Protection : 250V rms

All Specifications are subject to change without prior notice