

# DM-87



## Features

- 3<sup>6</sup>/<sub>7</sub> Digit Multimeter with Backlight
- 5,999 Count • VSD & True RMS
- Auto Power Off (APO) under natural operation • Data Hold, Max./Min. Value Hold • Capacitance, Frequency / Duty Cycle, Temperature and Transistor Test • Temp-40~1000°C Resolution 1°C

### DC VOLTAGE

Range	Resolution	Accuracy
600mV	0.01mV	±1.0% of rdg + 5 digits
6V	1mV	
60V	10mV	±0.5% of rdg + 3 digits
600V	100mV	
1000V	1mV	±1.0% of rdg + 3 digits

### DC CURRENT

Range	Resolution	Accuracy
600µA	0.1µA	
6000µA	1µA	±1.0% of rdg + 3 digits
60mA	10µA	
600mA	100µA	
6A	1mA	±2.0% of rdg + 5 digits
20A	10mA	

### AC VOLTAGE (TRUE RMS)

Range	Resolution	Accuracy
6V	1mV	50Hz-5kHz: ± 1.0% of rdg + 10 digits
60V	10mV	5kHz-20kHz: ± 1.5% of rdg + 10 digits
600V	100mV	<200V 50Hz-5kHz & 200V 50Hz-1kHz: ± 1.0% of rdg + 10 digits
750V	1V	50Hz-1kHz: ± 1.0% of rdg + 10 digits

## Special Function

VSD-V	750 V (± 2% + 10)	True RMS	✓
Diode and hFE test	✓	Function Protection	✓
Transistor testing	✓	Input impedance	10MΩ
Continuity Buzzer	Lower 30Ω+10Ω	Sampling Rate	3 times per second
Low Battery Display	Lower 5.5V	AC Frequency Response	30Hz-60Hz or 60Hz-200Hz
Auto Power Off	Approx. 15 min.	Power	9V (6F22) X 1

### AC CURRENT (TRUE RMS)

Range	Resolution	Accuracy
600µA	0.1µA	
6000µA	1µA	±1.2% of rdg + 20 digits / (40Hz-5kHz)
60mA	10µA	
600mA	100µA	
6A	1mA	±1.5% of rdg + 20 digits / (40Hz-400Hz)
20A	10mA	±2.5% of rdg + 20 digits / (40Hz-400Hz)

### RESISTANCE

Range	Resolution	Accuracy
600Ω	0.1Ω	±0.8% of rdg + 5 digits
6kΩ	1Ω	
60kΩ	10Ω	±0.8% of rdg + 3 digits
600kΩ	100Ω	
6MΩ	1KΩ	
30MΩ	10KΩ	±1.2% of rdg -10 digits + 5 digits

### CAPACITANCE

Range	Resolution	Accuracy
40nF	10pF	±2.5% of rdg + 10 digits
400nF	100pF	
4µF	1nF	±2.5% of rdg + 5 digits
40µF	10nF	
400µF	100nF	
2000µF	1µF	±5.0% of rdg + 10 digits

### TRANSISTOR hFE TEST

Range	Test Range	Test Current/Voltage
NPN or PNP	0-1000	Base current is approximate 15µA, Vce is approx 4.5V

### VARIABLE FREQUENCY VOLTAGE TRUE RMS (VSD-V TRUE RMS)

Range	Resolution	Accuracy	
		30Hz-60Hz	60Hz-200Hz
6V	1mV		
60V	10mV	±2.0% of rdg + 10 digits	±5.0% of rdg + 10 digits
600V	100mV	±3.0% of rdg + 10 digits	-
750V	1V		

- Standard Accessories : Test Lead, Manual, TP 01 Temperature Probe, Crocodile Clip
- Dimension : 185(H) x 93(W) x 35(D)mm