

DMM Comparison Guide

FEATURE	DM-350	DM-330	DM-310	DM-300	DM-210	DM-200	DM-60	DM-40	DM-20	PDMM-20	AM-6
True RMS	•	•		•							
DCA (A max)	10	10	10		10	10	10	200mA	200mA		500mA
Maximum resolution (µA)	0.1	1000	1000		0.1	0.1	0.1	10	1		
Best accuracy (%)	0.9	0.9	0.9		0.8	0.8	1.0	1.5	2.5		
ACA (A max)	10	10	10		10	10	10				
Maximum resolution (µA)	0.1	1000	1000		.10	0.1	0.1				
Best accuracy (%)	1.2	1.2	1.2		1.0	1.0	1.0				
DCV (V max)	1000	1000	1000	1000	1000	1000	600	600	300	450	300
Maximum resolution (µV)	100	100	100	100	100	100	100	100	100	1000	
Best accuracy (%)	0.5	0.5	0.5	0.5	0.3	0.3	0.5	0.8	1.2	0.5	
ACV (V max)	1000	1000	1000	1000	750	750	600	600	300	450	300
Maximum resolution (µV)	100	100	100	100	100	100	100	0.1V	0.1V	1000	
Best accuracy (%)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.5	1.5	
Resistance (MΩ)	60	60	60	60	25	25	20	20	2	6	1
Maximum resolution (mΩ)	100	100	100	100	100	100	100	100	100	1000	
Best accuracy (%)	0.7	0.7	0.7	0.7	0.4	0.4	0.8	0.8	1.5	1.0	
Continuity and beeper	•	•	•	•	•	•	•	•	•	•	
Diode test	•	•	•	•	•	•	•	•	•		
Capacitance	•	•	•		•					•	
Frequency	•	•	•	•	•		•			•	
Frequency response (Hz)	50-500	50-500	50-500	50-500	50-500	50-500	40-400	40-400	45-400	50-60	
Temperature (T1)					•			•			
Temperature (dual channel, T1, T2)											
Display type	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Analog
Display update X/sec	5	5	5	5	3	3	2.5	2.5	2.5	5	
Count	6000	6000	6000	6000	2500	2500	2000	2000	2000	6000	
Backlit	•							•			
Analog bar graph											
Analog update X/sec											
Zoom											
RS-232 optical interface					•	•					
Auto and manual ranging	•	•	•	•	•	•					
Auto power off	•	•	•	•	•	•				•	
Non-contact voltage detection	•	•	•	•	•	•				•	
Peak hold											
Data hold	•	•	•	•	•	•	•	•			
Min, max, avg	min, max only	min, max only	min, max only	min, max only			max only				
Relative offset mode					•						
Harmonics (HAR)											
Process loop measurement											
Data logging (point stored)											
Test lead calibration											
Duty cycle					•						
Measurement Category	IV, 600V III, 1000V	IV, 600V III, 1000V	IV, 600V III, 1000V	IV, 600V III, 1000V	III, 600V II, 1000V	III, 600V II, 1000V	III, 300V II, 600V	III, 300V II, 600V	II, 300V	III, 300V II, 450V	II, 300V
UL	•	•	•	•	•	•	•	•	•	•	•
cUL or CSA	•	•	•	•	•	•	•	•	•	•	•
CE	•	•	•	•	•	•	•	•	•	•	•





Manual Ranging Multimeter



- A perfect choice for residential and light commercial use.
- Includes elastomer boot to protect meter from damage.
- AC/DC voltage, AC/DC amperage measurement.
- Resistance measurement.
- Audible continuity and diode tests.
- Frequency measurement in voltage mode.
- Data hold to capture measurement.
- Max feature for added versatility.
- Lifetime Limited Warranty.

CAT. NO.	UPC NO.	DESCRIPTION
DM-60	12040	DMM, 600V AC/DC
TSG-3	12034	Sure-Grip Test Leads

SPECIFICATIONS

Amperage Measurement	200.0 μ A; 2.000, 20.00, 200.0 mA; 10.00 A
Voltage Measurement	200.0 mV; 2.000, 20.00, 200.0, 600V
Resistance Measurement	200.0 Ω ; 2.000, 20.00, 200.0 k Ω ; 2.000, 20.00 M Ω
Frequency Measurement	2 k to 10 MHz
Measurement Category	CAT III, 300V; CAT II, 600V

Manual Ranging Multimeter



- Multi-purpose meter for most electrical needs.
- Includes elastomer boot to protect meter from damage.
- AC/DC voltage, DC amperage measurement.
- Temperature measurement using type K thermocouple.
- Audible continuity and diode tests.
- Tests 1.5V and 9V batteries.
- Lifetime Limited Warranty.

CAT. NO.	UPC NO.	DESCRIPTION
DM-40	12039	DMM, 600V AC/DC w/ temp
TSG-3	12034	Sure-Grip Test Leads

SPECIFICATIONS

Amperage Measurement	DC A: 20.00, 200.0 mA
Voltage Measurement	AC V: 200.0, 600 V; DC V: 200.0, 2000 mV; 20.00, 200.0, 600 V
Resistance Measurement	200.0, 2000 Ω ., 20.00, 200.0 k Ω .; 20.00 M Ω
Temperature Measurement	-40 to 1832° F (-40 to 1000° C)
Measurement Category	CAT III, 300V; CAT II, 600V

Manual Ranging Multimeter



- Use to measure voltage and check batteries.
- Great for measuring current of small electronic circuits.
- Includes elastomer boot to protect meter from damage.
- AC/DC voltage, DC amperage measurement.
- Resistance measurement.
- Audible continuity and diode tests.
- Tests 1.5V and 9V batteries.
- Lifetime Limited Warranty.

CAT. NO.	UPC NO.	DESCRIPTION
DM-20	12037	DMM, 300V AC/DC

SPECIFICATIONS

Amperage Measurement	DC A: 2000 μ A; 20.00, 200.0 mA
Voltage Measurement	AC V: 200.0, 300 V; DC V: 200.0, 2000 mV; 20.00, 200.0, 300 V
Resistance Measurement	200.0, 2000 Ω ; 20.00, 200.0, 2000 k Ω
Measurement Category	CAT II, 300V