

DMM Comparison Guide

FEATURE	DM-210	DM-200	DM-110	DM-100	93-606	DM-55	DM-50	93-602	93-502	PDMM-10
True RMS			•							
DCA (A max)	10	10	10	10	10	200mA	200mA	200mA	250mA	200mA
Maximum resolution (µA)	0.1	0.1	0.1	0.1	0.1	0.1	100	100		100
Best accuracy (%)	0.8	0.8	1.7	1.7	1.2	2.5	2.5	1.0		2.0
ACA (A max)	10	10	10	10	10					
Maximum resolution (µA)	.10	0.1	0.1	0.1	0.1					
Best accuracy (%)	1.0	1.0	2.2	2.2	1.5					
DCV (V max)	1000	1000	1000	1000	600	300	300	600	300	300
Maximum resolution (µV)	100	100	100	100	100	0.1	0.1	1000		1000
Best accuracy (%)	0.3	0.3	0.5	0.5	0.5	1.2	1.2	0.8		0.8
ACV (V max)	750	750	750	750	600	300	300	600	300	300
Maximum resolution (µV)	100	100	100	1000	100	0.1V	0.1V	0.1V		0.1
Best accuracy (%)	1.0	1.0	1.5	1.5	1.2	2.0	1.5	1.2		1.5
Resistance (M)	25	25	40	35	20	2	2	2	2	2
Maximum resolution (mΩ)	100	100	100	100	100	100	1000	100		1000
Best accuracy (%)	0.4	0.4	1.0	1.0	1.0	1.5	1.5	1.0		1.5
Continuity and beeper	•	•	•	•	•	•		•		•
Diode test	•	•	•	•	•	•	•	•		•
Capacitance	•		•							
Frequency	•		•		•					
Frequency response (Hz)	50-500	50-500	40-500	40-500	40-500			50-500		
Temperature (T1)	•					•				
Temperature (dual channel, T1, T2)										
Display type	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Analog	Digital
Display update X/sec	3	3	2	2	3	2.5	2.5	2.5		2.5
Count	2500	2500	4000	3200	2000	2000	2000	2000		2000
Backlit										
Analog bar graph			82 segments	70 segments						
Analog update X/sec			12	12						
Zoom										
RS-232 optical interface	•	•								
Auto and manual ranging	•	•	•	•						
Auto power off	•	•	•	•						
Non-contact Voltage Detection	•	•								
Peak hold										
Data hold	•	•	•	•	•					
Min, max, avg					max only					
Relative offset mode	•									
Harmonics (HAR)										
Process loop measurement										
Data logging (point stored)										
Test lead calibration										
Duty cycle	•									
UL 3111-1 listed	•	•	•	•	•	•	•	•	•	•
Measurement category	III, 600V II, 1000V	III, 600V II, 1000V	III, 600V II, 1000V	III, 600V II, 1000V	III, 300V	II, 300V	II, 300V	II, 600V	II, 300V	II, 300V
cUL or CSA	•	•	•	•	•	•	•	•	•	•
UL Classified										
CE	•	•	•	•	•	•	•	•	•	•

