

DMM Comparison Guide

FEATURE	DM-65	DM-45	DM-25	PDMM-20
True RMS				
DCA (A max)	10	10		
Maximum resolution (µA)	0.1	0.1		
Best accuracy (%)	1.0	1.0		
ACA (A max)	10	10		
Maximum resolution (µA)	0.1	0.1		
Best accuracy (%)	1.8	1.8		
DCV (V max)	1000	600	600	450
Maximum resolution (µV)	100	100	10 mV	1000
Best accuracy (%)	0.8	0.8	0.8	0.5
ACV (V max)	1000	600	600	450
Maximum resolution (µV)	1000	1000	0.1V	1000
Best accuracy (%)	0.8	0.8	1.2	1.5
Resistance (MΩ)	60	40	2	6
Maximum resolution (mΩ)	100	100	100	1000
Best accuracy (%)	1.0	1.0	1.0	1.0
Conductivity				
Continuity and beeper	•	•	•	•
Diode test	•	•	•	
Capacitance	•	•		•
Frequency	•	•		•
Frequency response (Hz)	40-400	40-400	40-400	50-60
Temperature measurement	Single	Single		
Display type	Digital	Digital	Digital	Digital
Display counts	6000	4000	2000	6000
Backlight	•	•		
Display update X/sec	3	3	2.5	5
Analog bar graph segments	61			
Analog update X/sec	3			
Computer interface				
Auto and manual ranging	•	•		
Intelligent Auto power off				•
Auto power off	•	•		
Non-contact voltage detection				•
Low Impedance AutoCheck™ mode				•
Beep-Jack™ Input error warning				
Peak (crest) Hold - Max, Min				
Data hold	•	•		
Min/Max/Avg				
Relative offset mode (Δ)	•	•		
Process loop measurement				
Data logging (points stored, single channel)				
Data logging (points stored, dual channel)				
Duty cycle	•	•		
VFD (variable frequency drive) ACV & Hz				
Measurement Category Rating	IV, 600V III, 1000V	III, 600V	III, 600V	III, 300V II, 450V
UL or ETL	•	•	•	•
cUL, cETL or CSA	•	•	•	•
CE	•	•	•	•

Digital Multimeter



DM-65

- Measures AC/DC voltage, AC/DC current, resistance, temperature, frequency, duty cycle and capacitance
- Diode and audible continuity tests
- Relative offset mode to see changes in measurements
- Data hold
- Backlit, 6000 count LCD with bar graph
- Lifetime Limited Warranty

SPECIFICATIONS

Amperage Measurement	600.0, 6000 μ A; 60.00, 600.0 mA; 6.000, 10.00 A
Voltage Measurement	AC V: 6.000, 60.00, 600.0, 1000 V; DC V: 600.0 mV; 6.000, 60.00, 600.0, 1000 V
Resistance Measurement	600.0 Ω ; 6.000, 60.00, 600.0 k Ω ; 6.000, 60.00 M Ω
Frequency Measurement	9.999 Hz to 999.9 kHz
Temperature Measurement	-4 to 1832 $^{\circ}$ F (-20 to 1000 $^{\circ}$ C)
Capacitance Measurement	40.00, 400.0 nF; 4.000, 40.00, 400.0, 4000 μ F
Measurement Category	CAT IV, 600V; CAT III, 1000V

CAT. NO.	UPC NO.	DESCRIPTION
DM-65	00339	CATIII, 1000V; CATIV 600V Auto-Ranging Digital Multimeter
TSG-3	12034	Test Leads



Digital Multimeter



DM-45

- Measures AC/DC voltage, AC/DC current, resistance, temperature, frequency, duty cycle and capacitance
- Diode and audible continuity tests
- Relative offset mode to see changes in measurements
- Data hold
- Backlit, 4000 count LCD
- Lifetime Limited Warranty

SPECIFICATIONS

Amperage Measurement	400.0, 4000 μ A; 40.00, 400.0 mA; 4.000, 10.00 A
Voltage Measurement	AC V: 4.000, 40.00, 400.0, 1000 V; DC V: 400.0 mV; 4.000, 40.00, 400.0, 1000 V
Resistance Measurement	400.0 Ω ; 4.000, 40.00, 400.0 k Ω ; 4.000, 40.00 M Ω
Frequency Measurement	9.999 Hz to 999.9 kHz
Temperature Measurement	-4 to 1832 $^{\circ}$ F (-20 to 1000 $^{\circ}$ C)
Capacitance Measurement	40.00, 400.0 nF; 4.000, 40.00, 200.0 μ F
Measurement Category	CAT III, 600V

CAT. NO.	UPC NO.	DESCRIPTION
DM-45	00337	CATIII, 600V Auto-Ranging Digital Multimeter
TSG-3	12034	Test Leads



Digital Multimeter



DM-25

- Measures AC/DC voltage and resistance
- Diode and audible continuity tests
- Tests 1.5V and 9V batteries
- Lifetime Limited Warranty

SPECIFICATIONS

Voltage Measurement	AC V: 200.0, 600 V; DC V: 20.00, 200.0, 600 V
Resistance Measurement	200.0, 2000 Ω ; 20.00, 200.0, 2000 k Ω
Measurement Category	CAT III, 600V

CAT. NO.	UPC NO.	DESCRIPTION
DM-25	00334	CATIII, 600V Manual Ranging Digital Multimeter

BASIC ELECTRICAL KITS

Basic Electrical Kit



TK-30A



DM-25

- Use to measure voltage and check 1.5V and 9V batteries
- AC/DC voltage measurement
- Built-in test leads, no loose parts to lose
- Resistance measurement
- Audible continuity and diode tests
- Lifetime Limited Warranty

SPECIFICATIONS

Voltage Measurement	AC V: 200.0, 600V; DC V: 20.00, 200.0, 600V
Resistance Measurement	200.0, 2000 Ω; 20.00, 200.0, 2000 kΩ
Display Counts	2000
Measurement Category	CAT III, 600V



GT-11

- Safe, non-contact voltage detection
- Bright LED and audible alarm sound if voltage is present
- On/Off switch for longer battery life
- Convenient pen-size device easily fits into pockets or tool pouches
- Use to detect voltage in outlets, lighting fixtures, circuit breakers, wires and cables or to find a break in a wire
- Lifetime Limited Warranty

SPECIFICATIONS

Voltage Detection	50 - 1000 VAC
Frequency	50-500 HZ
Measurement Category	CAT IV, 1000 VAC



TK-30AGFI



GT-10 and GT-10GFI

- Use to trouble shoot 120V AC grounded outlets
- Light sequence indicates correct or incorrect
- GT-10GFI also tests GFCI receptacles
- Lifetime Limited Warranty

SPECIFICATIONS

Voltage Detection	120V AC
Listed	UL 1436

CAT. NO.	UPC NO.	DESCRIPTION
TK-30A	00880	Electrical Kit, Basic
TK-30AGFI	01575	Electrical Kit, GFCI