

Models 5212, 5215, 5217, 5231 & 5233

Compact and simple to use, these multimeters with a large backlit display and non-contact voltage detection are exceptional products and a great value for today's market



SPECIFICATIONS

MODELS	5212	5215	5217	5231	5233
GENERAL					
True RMS			Yes		
AC Bandwidth			1000Hz		
Auto/Manual Ranging			Yes		
LCD Display	4000-count	6000-count	6000-count	6000-count + 61 segment bargraph	
Auto/Manual Range Select			Yes		
Voltage AC/DC	600V	750Vac/1000Vdc	750Vac/1000Vdc	6 ranges/60mV to 1000V; Resolution: 0.01mV	
Current AC/DC	4A/10A	6A/10A		With 1mV/A clamp: 600A Resolution: 0.1A	2 ranges / 6 to 10A Resolution: 0.001A
µAmps AC/DC	400/4000µA	600/6000µA	600/6000µA	-	
Resistance	40MΩ	60MΩ	60MΩ	6 ranges/60MΩ; Resolution: 0.1Ω	
Frequency/Duty Cycle		-	1000Hz/Yes	-	3 ranges: up to 3kHz/Yes
Capacitance		100mF		6 ranges/1000µF; Resolution: 0.01nF	
Temperature			-61° to 2192°F (-55° to 1200°C)		4° to 1400°F (-20° to 760°C) Resolution: 1°
Continuity with Beeper			Yes		
Diode Test			Yes		
V Low Z		Yes		4 ranges/60mV to 1000V; Resolution: 0.01mV	
Non Contact Voltage Detection (NCV)		Yes/Red display with buzzer		Yes/Red display	
Max / Min / Max-Min	No	Yes/Yes	Yes/Yes	No/No	Yes/No
Δ REL	No	Yes	Yes	No	Yes
OTHER FEATURES					
Display Hold			Yes		
Flashlight		Yes			No
Backlight			Yes – Blue/Red		
Removable Holster		Yes			No
Magnetic Hanger		Yes – in the holster			No
Auto Power OFF			Yes		
Auto Power OFF Disable			Yes		
Power Supply		2 x 1.5V AA		9V	
Battery Life		500 hrs		> 100 hrs	
Low Battery Indication			Yes		
Direct Fuse Access			Yes		
Protection Index			IP 54		
Drop Resistant		Yes – 2m		Yes – 1m	
Operating Temperature Range		-4° to 122°F (-20° to 50°C)		32° to 122°F (0° to 50°C)	
Double Insulated			Yes		
WARRANTY/SAFETY					
Warranty		3 Years		1 Year	
CAT III		600V		1000V	
CAT IV		-		600V	



Functional Displays

Models 5212, 5215 & 5217



*(Models 5212, 5215 & 5217 only)



FEATURES

- Non-contact detection of network voltage (NCV Function-AC only)
- AC/DC current up to 10A or 600A with a current clamp giving direct readings (Model 5231)
- High sensitivity with a resolution of 0.01mV
- Their protection enables them to withstand overloads up to 8000V
- V_{LowZ} function detect the presence of ghost voltage by placing a burden on the circuit
- Multi-position mounting
- Battery life extended with "sleep mode" feature (Models 5212, 5215 & 5217)
- Backlight screen and flashlight (Models 5212, 5215 & 5217)
- Displays MAX, MIN and MAX-MIN (Models 5215 & 5217; Model 5233 displays MAX & MIN only)
- Displays relative measurement (Models 5215, 5217 & 5233)
- Measures temperature (Models 5217 & 5233)
- Measures frequency and duty cycle (Models 5217 & 5233)

Display Hold enabled
Relative mode active
Auto measurement
MAX - MIN - MAX, MIN or MAX minus MIN selected
Auto Power OFF
Low battery indication

AC, DC - DC or AC voltage or current
Diode test selected
Continuity selected
M, k: Decimal prefix
Hz: Frequency selected
°F, °C: Temperature
%: Duty cycle selected
A, V: Amps or volts
F: Farads for capacitance
n, m, μ: Decimal prefix

Models 5231 & 5233

Analog & digital display
MAX/MIN selected
Relative mode active
AC, DC - DC or AC voltage or current
Auto Power OFF
Display Hold enabled
Buzzer indication

°F, °C: Temperature
Units of measure
Hz: Frequency selected
Low battery indication
Auto Power OFF
Diode test selected

PRODUCT INCLUDES

Models 5212, 5215 & 5217

Soft carrying pouch, set of two color-coded leads (red/black), 2 x 1.5V AA batteries and user manual



► **Thermocouple adapter**
Included with Model 5217



Models 5231 & 5233

Soft carrying case, set of two 5 ft color-coded test leads and user manual.



► **Thermocouple adapter**
Included with Model 5233



CATALOG NO.	DESCRIPTION
2154.07	DMM Model 5212 (TRMS, 4000-cts, NCV, V, A, AC/DC, Ohm, Auto Hold)
2154.08	DMM Model 5215 (TRMS, 6000-cts, NCV, V, A, AC/DC, Ohm, Auto Hold)
2154.09	DMM Model 5217 (TRMS, 6000-cts, NCV, V, A, AC/DC, Ohm, T, Frequency, Auto Hold)
2125.64	DMM Model 5231 (TRMS, 6000-cts, V, AC/DC, Ohm, CT, NCV)
2125.65	DMM Model 5233 (TRMS, 6000-cts, V, A, AC/DC, Cap, Ohm, T, NCV)

