

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
△ 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			Yes	
Auto Power OFF Disable	Yes			Yes	
Power Supply	2 x 1.5V AA			9V	
Battery Life	500 hrs			> 100 hrs	
Low Battery Indication	Yes			Yes	
Direct Fuse Access	Yes			Yes	
Protection Index	IP 54			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

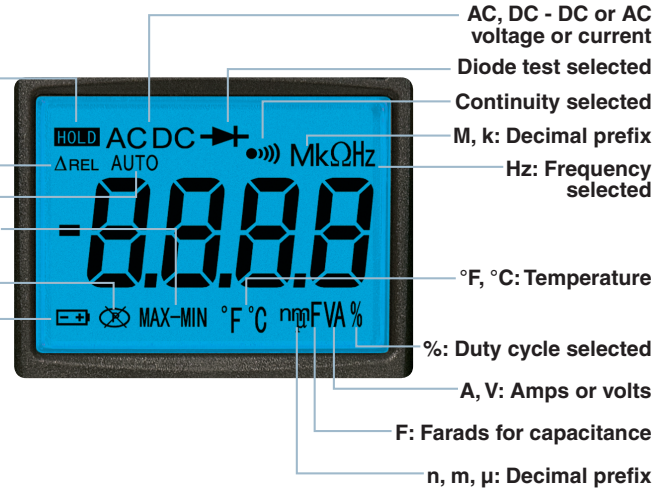
Relative mode active

Auto measurement

MAX - MIN - MAX, MIN or MAX minus MIN selected

Auto Power OFF

Low battery indication



Models 5231 & 5233

Analog & digital display

MAX/MIN selected

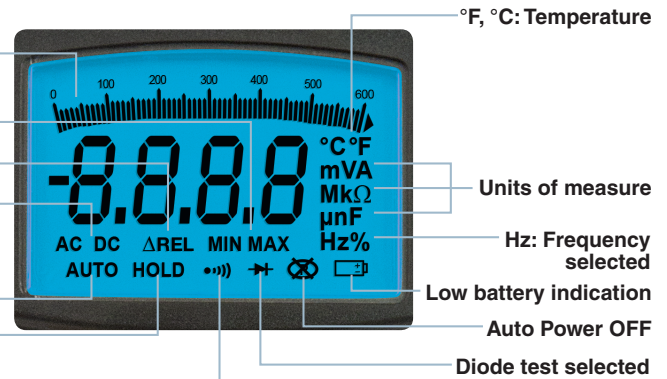
Relative mode active

AC, DC - DC or AC voltage or current

Auto Power OFF

Display Hold enabled

Buzzer indication



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)

