

DIGITAL MULTIMETERS

5000 SERIES

MODELS 5212, 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		5217	5231	5233
GENERAL					
True RMS	Yes				
AC Bandwidth	1000 Hz				
Auto/Manual Ranging	Yes				
LCD Display	4000-count	6000-count	6000-count + 61 segment bargraph		
Auto/Manual Range Select	Yes				
Voltage AC/DC	600 V	750 V _{AC} / 1000 V _{DC}	6 ranges / 60 mV to 1000 V; Resolution: 0.01mV		
Current AC/DC	4 A / 10 A	6 A / 10 A	With 1 mV/A clamp: 600 A Resolution: 0.1 A	2 ranges / (6 to 10) A Resolution: 0.001 A	
μAmps AC/DC	400 / 4000 μA	600 / 6000 μA	—		
Resistance	40 MΩ	60 MΩ	6 ranges / 60 MΩ; Resolution: 0.1 Ω		
Frequency/Duty Cycle	—	1000 Hz/Yes	—	3 ranges: up to 3 kHz/Yes	
Capacitance	100 mF		—	6 ranges / 1000 μF; Resolution: 0.01 nF	
Temperature	—	(-61 to 2192) °F (-55 to 1200) °C	—	(4 to 1400) °F (-20 to 760) °C	
Continuity with Beeper	Yes				
Diode Test	Yes				
V Low Z	Yes		4 ranges / 60 mV to 1000 V; Resolution: 0.01 mV		
Non Contact Voltage Detection (NCV)	Yes/Red flashing display with buzzer		Yes/Red display		
Max / Min / Max-Min	No / No / No	Yes / Yes / Yes	No / No / No	Yes / Yes / No	
Δ REL	No	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) 1.5 V AA		9 V		
Battery Life	500 h		> 100 h		
Low Battery Indication	Yes				
Direct Fuse Access	Yes				
Drop Resistant	Yes – 6.56 ft (2 m)		Yes – 3.28 ft (1 m)		
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 y		2 y		
Ingress Protection	IP54				
Safety	600 V CAT III		1000 V CAT III, 600 V CAT IV		

Consult factory for NIST Calibration prices

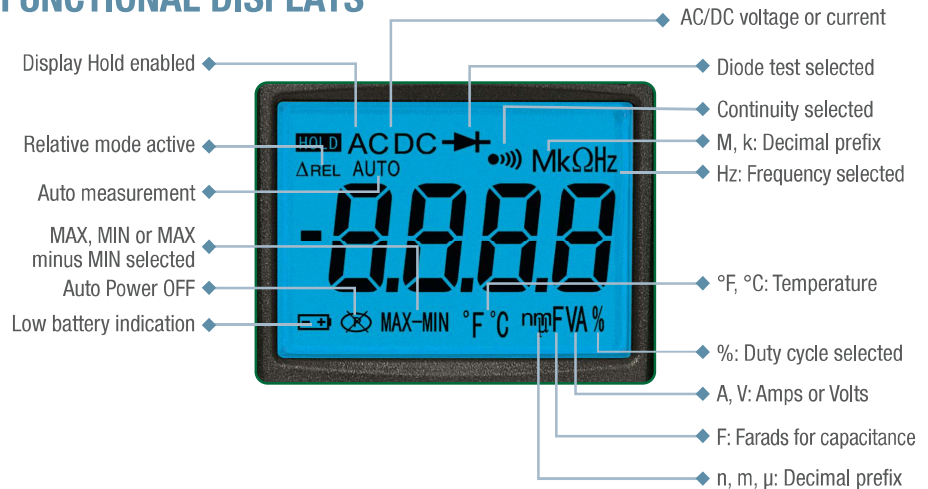
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Non-contact detection of network voltage (NCV Function-AC only)

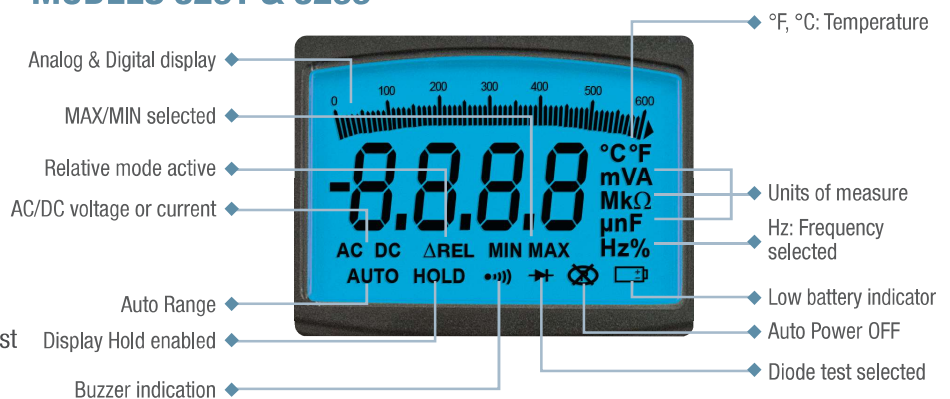
FUNCTIONAL DISPLAYS



FEATURES

- AC/DC current up to (10 or 600) A with a current clamp giving direct readings (Model 5231)
- High sensitivity with a resolution of 0.01 mV
- Withstands overloads up to 8000 V
- VLowZ function detects and eliminates ghost voltages by placing a burden on the circuit
- Multi-position mounting
- Battery life extended with "sleep mode" feature
- Backlight screen and flashlight (Models 5212 & 5217)
- Displays MAX, MIN and MAX-MIN (Models 5217; Model 5233 displays MAX & MIN only)
- Displays relative measurement (Models 5217 & 5233)
- Measures temperature (Models 5217 & 5233)
- Measures frequency and duty cycle (Models 5217 & 5233)

MODELS 5231 & 5233



PRODUCT INCLUDES

5212 & 5217

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

THERMOCOUPLE ADAPTER

Included with Model 5217

5231

Soft carrying case, set of (2) 5 ft color-coded leads (red/black) with needle tip (1000 V CAT IV 15 A), and user manual.

5233

Soft carrying case, set of (2) 5 ft color-coded leads (red/black), adapter - banana (male) to mini (female) with K-type thermocouple, and user manual.



CATALOG NO.	DESCRIPTION
2154.07	DMM Model 5212 (TRMS, 4000-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)

