

# DIGITAL MULTIMETERS

## 5000 SERIES

### 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
<b>GENERAL</b>					
True RMS				Yes	
AC Bandwidth				1000Hz	
Auto/Manual Ranging				Yes	
LCD Display	4000-count	6000-count		6000-count + 61 segment bargraph	
Auto/Manual Range Select				Yes	
Voltage AC/DC	600V	750V <sub>ac</sub> / 1000V <sub>dc</sub>		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		-	
Resistance	40MΩ	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)
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 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
<b>OTHER FEATURES</b>					
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	
Drop Resistant		Yes – 6.56 ft (2m)		Yes – 3.28 ft (1m)	
Operating Temperature Range		-4° to 122°F (-20° to 50°C)		32° to 122°F (0° to 50°C)	
Double Insulated				Yes	
<b>WARRANTY/SAFETY</b>					
Warranty		3 Years		2 Years	
Ingress Protection				IP54	
Safety		600V CAT III		1000V CAT III, 600V CAT IV	

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



5212, 5215 & 5217  
5231 & 5233

### FEATURES

- 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
- Withstands overloads up to 8000V
- VLowZ function detects and eliminates ghost voltages 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)

### FUNCTIONAL DISPLAYS



### MODELS 5231 & 5233



### PRODUCT INCLUDES

#### 5212, 5215 & 5217

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

#### THERMOCOUPLE ADAPTER

Included with Model 5217

#### 5231 & 5233

Soft carrying case, set of (2) 5 ft color-coded test leads and a 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)