

# 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
<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

Consult factory for NIST Calibration prices



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## 5000 SERIES



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



5212, & 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 & 5217)
- 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)

### FUNCTIONAL DISPLAYS



### MODELS 5231 & 5233



### PRODUCT INCLUDES

#### 5212 & 5217

Soft carrying pouch, set of (2) color-coded (red/black) leads, (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)
2154.09	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)