

# 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				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 <sub>AC</sub> / 1000 V <sub>DC</sub>	6 ranges / 60 mV to 1000 V; Resolution: 0.01 mV	
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
<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) 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
<b>WARRANTY/SAFETY</b>				
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



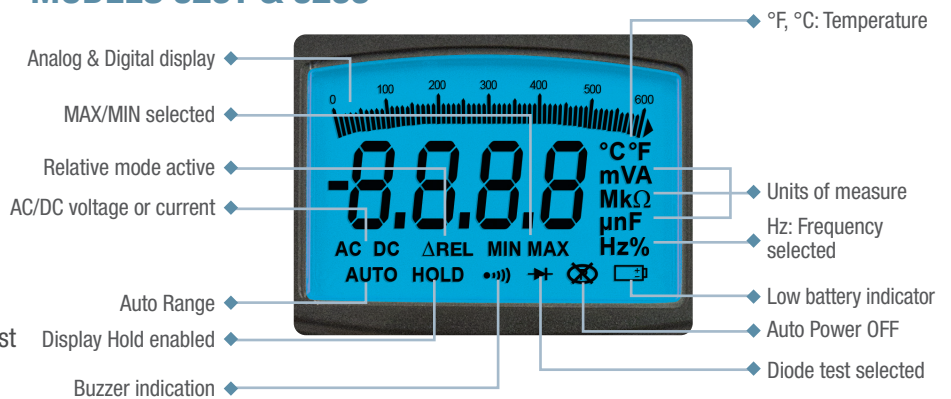
5212 & 5217

5233

### 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)

