



Models 511, 512 & 514

Full ranges and compliance to international safety and quality standards ensure a professional and reliable tool



*Models 512 & 514 only

► SPECIFICATIONS

MODELS	511	512 TRMS	514 TRMS
AC Current (Auto-Ranging)	0.05 to 1000A	0.05 to 1000Arms	0.05 to 1000Arms
Resolution	0.01A, 0.1A and 1A	0.01A, 0.1A and 1A	0.01A, 0.1A and 1A
Accuracy	50 to 60Hz 60 to 500Hz	1.9% of Reading ± 5cts 1.9% of Reading ± 5cts	1.9% of Reading ± 5cts 2.5% of Reading ± 5cts
AC Voltage (Auto-Ranging)	0.5 to 750V	0.5 to 750Vrms	0.5 to 750Vrms
Resolution	0.1V and 1V	0.1V and 1V	0.1V and 1Vrms
Accuracy	60 to 500Hz	1.2% of Reading ± 5cts	1.5% of Reading ± 5cts
Input Impedance	10MΩ	10MΩ	10MΩ
DC Current (Auto-Ranging)	–	–	1A to 1000A
Resolution	–	–	0.01A, 0.1A and 1A
Accuracy	–	–	±2.5% of Reading ± 10cts
DC Voltage (Auto-Ranging)	0.2 to 1000V	0.2 to 1000V	0.2 to 1000V
Resolution	0.1V and 1V	0.1V and 1V	0.1V and 1Vrms
Accuracy	0.75% of Reading ± 2cts	0.75% of Reading ± 2cts	1% of Reading ± 2cts
Input Impedance	10MΩ	10MΩ	10MΩ
Resistance	0.2 to 4000Ω	0.2 to 4000Ω	0.2 to 4000Ω
Accuracy	1% of Reading ± 2cts	1% of Reading ± 2cts	1% of Reading ± 2cts
Max Test Voltage	3Vdc	3Vdc	3Vdc
Diode Test	0.6mA	0.6mA	1.7mA
Open Circuit Voltage	3Vdc	3Vdc	3Vdc
Continuity	<40Ω	<40Ω	<40Ω
Max Test Voltage	3Vdc	3Vdc	3Vdc
Frequency (Auto-Ranging)	9V Alkaline battery (included)		
CURRENT INPUT			
Range	4kHz 10kHz	1Hz Resolution –	1Hz Resolution –
Accuracy	20Hz to 10kHz	0.1% of Reading ± 1ct	0.1% of Reading ± 1ct
Min Input Signal	4kHz 10kHz	2Arms –	2Arms 5Arms
VOLTAGE INPUT			
Range	4kHz 10kHz	1Hz Resolution 10Hz Resolution	1Hz Resolution 10Hz Resolution
Accuracy	10Hz to 10kHz	0.1% of Reading ± 1ct	0.1% of Reading ± 1ct
Min Input Signal	4kHz 10kHz	5Vrms 5Vrms	5Vrms 10Vrms
Power Source	9V Alkaline battery (included)		
ENVIRONMENTAL			
Operating Temperature	32° to 104°F (0° to 40°C) < 80% RH, non-condensing	32° to 104°F (0° to 40°C) < 80% RH, non-condensing	*-14° to 122°F (-25° to 50°C), 80% RH, non-condensing

► FEATURES

- Standard size, full function clamp-on meter
- 1000AAC or 1000AAC/DC current measurements
- 750VAC or 1000VDC volt measurements
- TRMS measurements (Models 512 & 514)
- Resistance measurements to 4000Ω
- Continuity with beeper below 40Ω
- Frequency measurements from V and A
- Diode test
- 1ms peak function for fast capture of signals
- Hold function to “freeze” readings
- Push-button for easy ADC zeroing
- Large, easy-to-read, 4000-count display
- 42-segment analog bargraph
- Includes test leads, soft carrying pouch and batteries

*Note: If Model 514 is to be used below 32°F (0°C), we suggest that the battery be replaced to ensure proper results.



► PRODUCT INCLUDES

Soft carrying case, a pair of test leads, 9V battery and user manual.

CATALOG NO.	DESCRIPTION
2117.67	Clamp-On Meter Model 511 (AC, 1000AAC, 750VAC/1000VDC, Ohms, Continuity, Hz)
2117.68	Clamp-On Meter Model 512 (TRMS, 1000AAC, 750VAC/1000VDC, Ohms, Continuity, Hz)
2117.70	Clamp-On Meter Model 514 (AC/DC, TRMS, 1000AAC/DC, 750VAC/1000VDC, Ohms, Continuity, Hz)

