

CLAMP-ON METERS

500 SERIES (CONTINUED)

300 V
CAT IV600 V
CAT III

MODEL 514

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



Jaw Opening: 1.575 in (40 mm)
Conductor Size: (1) 750 kcmil cable or
(2) 350 kcmil cables

FEATURES

- Standard size, full function clamp-on meter
- 1000 A_{AC} or 1000 A_{AC/DC} current measurements
- Measures up to 750 V_{AC} and 1000 V_{DC}
- TRMS measurements
- Resistance measurements to 4000 Ω
- Continuity with beeper below 40 Ω
- Frequency measurements from V and A
- Diode test
- 1 ms peak function for fast capture of signals
- Hold function to freeze readings
- Push-button for easy A_{DC} zeroing
- Large, easy-to-read, 4000-count LCD display
- 42-segment analog bargraph
- Includes test leads, soft carrying pouch and batteries

MODEL	514 TRMS
AC Current (Auto-Ranging)	(0.05 to 1000) Arms
Resolution	(0.01, 0.1 and 1) A
AC Voltage (Auto-Ranging)	(0.5 to 750) Vrms
Resolution	0.1 V and 1 Vrms
Input Impedance	10 MΩ
DC Current (Auto-Ranging)	(1 to 1000) A
Resolution	(0.01, 0.1 and 1) A
DC Voltage (Auto-Ranging)	(0.2 to 1000) V
Resolution	(0.1 and 1) V
Input Impedance	10 MΩ
Resistance	(0.2 to 4000) Ω
Max Test Voltage	3 V _{DC}
Diode Test	1.7 mA
Open Circuit Voltage	3 V _{DC}
Continuity	< 40 Ω
Max Test Voltage	3 V _{DC}

FREQUENCY (AUTO-RANGING)

CURRENT INPUT Range	4 kHz 10 kHz	1 Hz Resolution 10 Hz Resolution
Min Input Signal	4 kHz 10 kHz	2 Arms 5 Arms
VOLTAGE INPUT Range	4 kHz 10 kHz	1 Hz Resolution 10 Hz Resolution
Min Input Signal	4 kHz 10 kHz	5 Vrms 10 Vrms
Power Supply	9 V Alkaline battery (included)	

ENVIRONMENTAL

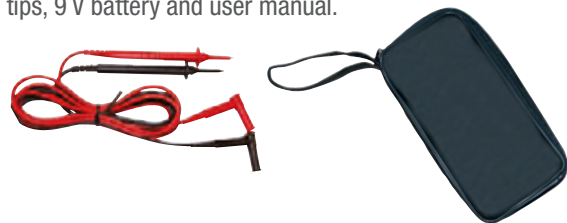
Operating Temperature	*(-14 to 122) °F (-25 to 50) °C, 80 % RH, non-condensing
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Consult factory for NIST Calibration prices.

*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, set of (2) color-coded (red/black) test leads with probe tips, 9 V battery and user manual.



CAT. # DESCRIPTION

2117.70 Clamp-on Meter Model 514 (AC/DC, TRMS, 1000 A_{AC/DC}, 750 V_{AC}/1000 V_{DC}, Hz, Ohms, Continuity)

CLAMP-ON METERS

SELECTION GUIDE

Models	CAT. #	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance (Ω)	Continuity	Frequency (Hz)		Jaw Size	Dimensions
									Current	Voltage		
205	2139.40	AC / DC TRMS	600 A	1000 V	900 A	1000 V	60 k Ω	< 40 Ω	3 kHz	20 kHz	1.34 in (34 mm)	(8.7 x 3.1 x 1.65) in
404	2139.22	AC / DC TRMS	1000 A	1200 V	1500 A	1700 V	100 k Ω	< 40 Ω	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
407	2139.51	AC / DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k Ω	< 40 Ω	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
606	2139.62	AC / DC TRMS	2000 A	1200 V	3000 A	1700 V	100 k Ω	< 40 Ω	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
607	2139.61	AC / DC TRMS	2000 A	1000 V	3000 A	1000 V	100 k Ω	< 40 Ω	2 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
505	2139.82	AC / DC TRMS	400 A	600 V	400 A	600 V	600 Ω	< 35 Ω	400 Hz		1.18 in (30 mm)	(7.83 x 2.95 x 1.42) in
514	2117.70	AC / DC TRMS	1000 A	750 V	1000 A	1000 V	4000 Ω	< 40 Ω	10 kHz		1.58 in (40 mm)	(9.53 x 2.60 x 1.42) in
566*	2139.83	AC TRMS	100 A	600 V	–	600 V	600 k Ω	< 45 Ω	500 Hz		0.91 in (23 mm)	(8.27 x 3.0 x 1.32) in
CM605	7000.02	AC / DC	100 A	600 V	100 A	600 V	9999 Ω	< 100 Ω	500 Hz		0.60 in (15 mm)	(7.95 x 2.76 x 1.33) in

*Model 566 can be found in the Leakage Current Meters & Probes.
Consult factory for NIST Calibration prices.