



Jaw Opening: 1.575" (40mm)
Conductor Size: one 750kcmil cable
or two 350kcmil cables

Models 511, 512 & 514

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



► FEATURES

- Standard size, full function clamp-on meter
- 1000A_{AC} or 1000A_{AC/DC} current measurements
- 750V_{AC} or 1000V_{DC} 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

► 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: 1.9% of Reading ± 5cts 60 to 500Hz: 1.9% of Reading ± 5cts | 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 | 1.2% 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) | | | |
| CURRENT INPUT | | | |
| Range | 4kHz | 1Hz Resolution | 1Hz Resolution |
| | 10kHz | — | 10Hz Resolution |
| Accuracy | 20Hz to 10kHz | 0.1% of Reading ± 1ct | 0.1% of Reading ± 1ct |
| Min Input Signal | 4kHz | 2Arms | 2Arms |
| | 10kHz | — | 5Arms |
| VOLTAGE INPUT | | | |
| Range | 4kHz | 1Hz Resolution | 1Hz Resolution |
| | 10kHz | 10Hz Resolution | 10Hz Resolution |
| Accuracy | 10Hz to 10kHz | 0.1% of Reading ± 1ct | 0.1% of Reading ± 1ct |
| Min Input Signal | 4kHz | 5Vrms | 5Vrms |
| | 10kHz | 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 |

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

Distributed by:
Valuetesters.com
sales@valuetesters.com
Tel: 602-795-8292, Fax: 602-795-4624



► 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, 1000A _{AC} , 750V _{AC} /1000V _{DC} , Ohms, Continuity, Hz) |
| 2117.68 | Clamp-On Meter Model 512 (TRMS, 1000A _{AC} , 750V _{AC} /1000V _{DC} , Ohms, Continuity, Hz) |
| 2117.70 | Clamp-On Meter Model 514 (AC/DC, TRMS, 1000A _{AC/DC} , 750V _{AC} /1000V _{DC} , Ohms, Continuity, Hz) |

