AEMC Ground Resistance Testers

Digital Ground Resistance Tester Models 4620 & 4630

- Measures soil resistivity (4-Point) method
- Measures ground resistance (2- and 3-Point) Fall-of-Potential method
- Step voltage tests and touch potential measurements
- Auto-Ranging; automatically selects the optimum range
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect – press – read
- LED on facplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH batteries (Model 4630)
- Rugged dustproof and rainproof field case
- Color-coded terminals
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect – press – read
- LED on facplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH batteries (Model 4630)
- Rugged dustproof and rainproof field case
- Color-coded terminals
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect – press – read
- LED on facplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH batteries (Model 4630)
- Rugged dustproof and rainproof field case
- Color-coded terminals
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect – press – read
- LED on facplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH batteries (Model 4630)
- Rugged dustproof and rainproof field case
- Color-coded terminals
- Designed to reject high levels of noise and interference
- Extremely simple to operate: connect – press – read
- LED on facplate informs operator of high input noise, high auxiliary rod resistance and fault connections
- Large easy-to-read backlit display
- Battery powered (Model 4620)
- AC powered with rechargeable NiMH batteries (Model 4630)
- Rugged dustproof and rainproof field case
- Color-coded terminals

Clamp-On Ground Resistance Tester Models 3711 & 3731

- Simple and fast clamp-on operation – no leads, no auxiliary rods or spacing requirements
- Direct reading of ground resistance from 0.10 to 1200Ω
- Direct reading of continuity and ground loop resistance
- Direct reading of ground leakage or phase current from 1mA to 30Arms
- Jaw design with large 1.25" (32mm) window – accommodates up to 1000MCM cables
- Auto-Off for power management
- Alarm function with adjustable set point and buzzer for quick field checks (Model 3731)
- Memory function to store 99 field measurements for later retrieval and analysis (Model 3731)
- Meets EN 61010-1, Cat. III and CE Mark
- Rugged Lexan® head and body construction resists breakage
- Alarm settings and stored memory information saved during shutdown (Model 3731)
- Patented design

Multi-Function Ground Resistance Tester Models 6470B & 6472

- 2- and 4-Wire Bond Resistance/Continuity measurement
- 3-Point Fall-of-Potential measurement with manual/automatic frequency selection
- 4-Point soil resistivity measurement with automatic calculation of Rho & user selection of Wenner or Schlumberger method
- 3-Point earth coupling measurement
- Frequency scan 40-513Hz for testing in electrically noisy environments
- Selectable test voltage of 16 or 32V up to 250mA of test current
- Automatic recognition of all electrode connections & resistance
- Stores up to 512 complete test results
- Optically isolated USB communication
- Rechargeable NiMH batteries from wall charger or vehicle power
- Rugged dustproof and rainproof field case
- Includes DataView® software for remote operation, data storage, real-time display, analysis, report generation & system configuration

Model 6742 adds:
- Manual and automatic frequency scan to 5078Hz
- Measures Ground Resistance using the 2 clamp method (selective ground testing)
- Measures Ground Impedance up to 5kHz to test lightning strike protection

Tester includes meter, NiMH batteries, optical USB cable, DataView® software, external battery charger, power cord, user manual.

Kit includes Tester, test leads, 30 ft ground lead (green), auxiliary ground electrodes, spaded lugs, 100 ft tape measure, ground tester work-book CD, carrying bag for meter, carrying bag for kit.

Model 6742 adds:
- Manual and automatic frequency scan to 5078Hz
- Measures Ground Resistance using the 2 clamp method (selective ground testing)
- Measures Ground Impedance up to 5kHz to test lightning strike protection

ORDERING INFORMATION

AE/2130.43 Ground Resistance Tester Model 4620
(4-Point, Digital, Battery Powered)

AE/2130.44 Ground Resistance Tester Model 4630
(4-Point, Digital, Rechargeable Battery)

AE/2130.45 Ground Resistance Tester Model 4620 Kit
AE/2130.46 Ground Resistance Tester Model 4630 Kit

AE/2117.60 Ground Resistance Tester Model 3711 (Clamp-On)
AE/2117.61 Ground Resistance Tester Model 3731
(Clam-On with memory and alarm)

AE/2135.01 Ground Resistance Tester Model 6470B

AE/2135.02 Ground Resistance Tester Model 6470B 3-point Kit – 150 ft leads

AE/2135.04 Ground Resistance Tester Model 6470B 4-point Kit – 500/100 ft leads

AE/2135.51 Ground Resistance Tester Model 6472

AE/2135.52 Ground Resistance Tester Model 6472 3-point Kit – 150 ft leads

AE/2135.54 Ground Resistance Tester Model 6472 4-point Kit – 500/100 ft leads

AE/2135.71* AC Current Probe Model MN82 for use with Model 6472

AE/2135.72* AC Current Probe Model SR182 for use with Model 6472

*2 probes required for two clamp testing method.
## AEMC Simple Logger® II Data Loggers

- Compact size, battery operated
- Easily installed, operational in seconds
- TRMS measurement for accuracy on distorted waveforms
- Programmable alarm setpoints & triggers
- 5 LED indicators display logger status
- Choice of data storage modes
- Stores >240k measurements in non-volatile memory
- DataView software displays & analyzes real-time data on a PC

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>L101</th>
<th>L102</th>
<th>L111</th>
<th>L261</th>
<th>L322</th>
<th>L432</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>One</td>
<td>Two</td>
<td>One</td>
<td>One</td>
<td>One</td>
<td>Two</td>
</tr>
<tr>
<td>Input Connector</td>
<td>BNC</td>
<td>Recessed banana jacks</td>
<td>Removeable screw term block</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement Range</td>
<td>0-1V AC (probe dependent)</td>
<td>0-1A AC (probe dependent)</td>
<td>0-600V AC/DC</td>
<td>±20mA DC</td>
<td>±100mV/±1V/±10V</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1mV</td>
<td>0.1mA</td>
<td>0.1V</td>
<td>0.01mA</td>
<td>0.1mV/1mV/10mV</td>
<td></td>
</tr>
<tr>
<td>Accuracy (50/60Hz)</td>
<td>10-50mV: ±0.5% of Rdg ±1mV</td>
<td>10-50mV: ±0.5% of Rdg ±1mA</td>
<td>5-50V: ±0.5% of Rdg ±1V</td>
<td>±0.25% of Rdg ±0.05mA</td>
<td>±0.5% of Rdg ±1mV</td>
<td></td>
</tr>
<tr>
<td>Sample Rate</td>
<td>64 samples/cycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Rate</td>
<td>Programmable from 125mS to 1 day</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAT III Rating</td>
<td>50V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CLAMP-ON AC LOGGER

Simply clamp-on and start recording, no exposed wires to connect.

- 50/400/600A TRMS ranges
- One button operation
- Alarm function
- 5 LED indicators display logger status
- Optically isolated USB 2.0 output
- Includes DataView® software for data storage, real-time display, analysis & report generation
- 300V CAT IV, 600V CAT III

## ACCESSORIES

<table>
<thead>
<tr>
<th>ACCESSORY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE/1201.51</td>
<td>AC/DC Current Probe Model SL261 (10A@100mA/V, 100A@10mA/V, BNC)</td>
</tr>
<tr>
<td>AE/2115.82</td>
<td>AC Current Probe Model MN261 (24A@200mA/V, 240A@10mA/V, BNC)</td>
</tr>
<tr>
<td>AE/1200.72</td>
<td>AC Current Probe Model MR461 (60A@10mA/V, 600A@1mA/V, BNC)</td>
</tr>
<tr>
<td>AE/1200.73</td>
<td>AC Current Probe Model MR561 (150A@10mA/V, 1500A@1mA/V, BNC)</td>
</tr>
<tr>
<td>AE/2113.49</td>
<td>AC Current Probe Model SR5651 (10A@100mA/V, 100A@10mA/V, 1000A@1mA/V, BNC)</td>
</tr>
<tr>
<td>AE/2110.90</td>
<td>AC Current Probe Model JM861 (30A@10mA/V, 300A@1mA/V, 3000A@1mA/V, BNC)</td>
</tr>
<tr>
<td>AE/2140.62</td>
<td>Test Lead Pair, 5 ft w alligator clips, 600V CAT IV, 15A</td>
</tr>
</tbody>
</table>
Amprobe Testers

**SOLAR POWER METER**
- Measures Solar Power and Transmission
- Reads up to 2000 W/m² or 634 BTU/(ft² x h)
- Large Display & Separate Sensor
- Displays Transmission Percentage
- MAX/MIN & Data Hold

**SPECIFICATIONS**
- Measurement Range: 1999 W/m², 634 BTU/(ft² x h)
- Display: 3¾ digits, 2000 counts
- Sampling Time: Approx 0.25 second
- Accuracy: Typically within ±10W/m² (±3 BTU/(ft² x h)) or ±5%, whichever is greater in sunlight
- Angular Accuracy: Cosine corrected < 5% for angles < 60°
- Battery: 9V alkaline included
- Operating Temperature: 5-40°C (41-104°F), <80%RH (non-condensing)
- Dimensions: 5.2" x 2.4" x 1.5" (132x60x38 mm)

Optimize the placement of solar systems and verify window efficiency.

**NEW**

**SWIVEL CLAMP METERS**
- 180° Rotating Head
- Measure to 400A AC, 600V AC/DC
- Resistance, Capacitance, Continuity
- One Hand Operation
- Auto & Manual Ranging
- Non-Contact Voltage Detection

**SPECIFICATIONS**
- DC Volts Ranges: 400mV, 4V, 40V, 400V, 600V
  - Accuracy: ±(0.5% rdg + 2 dgts)
- AC Volts Ranges: 4V, 40V, 600V (50-500Hz)
  - Accuracy: ±(1.2% rdg + 5 dgts), [1.5% on 600V range]
- AC Current Ranges: 40A, 400A (50-60Hz)
  - Accuracy: ±(2.0% rdg + 6 dgts)
- Resistance Ranges: 400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ
  - Accuracy: ±(1.0% rdg + 4 dgts) on 400Ω to 400kΩ ranges
- Continuity: Audible indication < 25Ω
- Non-Contact Voltage: Beeper & red LED for 70V to 600VAC (50-60Hz)
- Other Features: Diode test, display hold, auto power off, noise filter
- Display: 3¾ digit LCD, maximum reading 3999
- Temperature: 0 to 50°C (32 to 122°F) operating, <70% RH
- Power (Life): 2 AAA batteries (alkaline 400 hrs)
- Wire Diameter: 1.18" (30mm) max.
- Dimensions: 12" × 5.3" × 1.2" (306×135×30 mm)
- Rating: CAT III 600V
- Included: Battery, test leads, carrying case

**PSYCHROMETER**
- Temperature, RH, Dew Point & Wet Bulb Measurements
- Extended Flex Probe
- Dual Display with Backlight
- MAX/MIN & Data Hold
- Tripod Mountable

**SPECIFICATIONS**
- Range: RH: 0 to 100%
  - Temperature: -10 to 60°C (14 to 140°F)
  - DP: -73.4 to 59.9°C (-100 to 139.8°F)
  - WB: -13.4 to 59.9°C (7.88 to 139.8°F)
- Accuracy: RH: ±3% from 10 to 90% at 25°C and ±5% for others
  - Temperature: ±0.6°C (±1°F)
- Response Time: 60 seconds
- Resolution: 0.1°C / 0.1°F
- Temperature: 0 to 50°C (32 to 122°F) operating, up to 100% RH
- Battery (Life): Four  AAA  (100 hrs w/o backlight, 50 hrs w. backlight)
- Dimensions: 6.9" × 2.8" × 1.3" (175×70×33 mm)
- Included: Hard carrying case, batteries, probe

**CAT IV ANALOG CLAMP METERS**
- Measure to 1000A & 600V AC
- Resistance & Continuity
- Pointer Lock for Data Hold
- Operates Down to 5° F
- No Batteries Needed for Volts & Amps

**SPECIFICATIONS**
- Display: Analog scales with clamping needle
- AC Voltage Ranges: 150 / 300 / 600 Vrms
  - Input Impedance: 1.5 MΩ
- AC Amp Ranges: 6/15/40/100/600 Arms [1000 A on RS-1007 PRO]
  - Accuracy: ±3% of Full Scale for Volts & Amps (50/60 Hz)
- Ohms Range: 1000Ω, 250Ω mid-scale
  - Accuracy: ±3 degrees of arc
- Max. Wire Diameter: 1.64" (41mm) [1.88" (47mm) on RS-1007 PRO]
  - Power: One AAA battery for resistance & continuity
  - Temperature: -15 to 50°C (-5 to 122°F) operating, ~70% RH
  - Dimensions: RS-3 PRO: 10.3" × 5.3" × 1.2" (253×135×33 mm)
  - Safety LVD Rating: CAT IV 600V AC

**ORDERING INFORMATION**
- AB/SOLAR-100: Solar Power Meter
- AB/TIC 300 PRO: Non-Contact AC Voltage Detector
- AB/TIC 310A: Hot Stick Accessory for TIC 300 Pro (1.5-122 kV)
- AB/ACD-20SW: 400A Swivel Clamp Meter
- AB/ACD-21SW: 400A Swivel Clamp Meter w/ Temperature & Capacitance
- AB/R-3 PRO: CAT IV 600A Analog Clamp Meter
- AB/R-1007 PRO: CAT IV 1000A Analog Clamp Meter

Ohimize the placement of solar systems and verify window efficiency.
**Extech AC Power Clamp Meter**

- Dual LCD display (9999 count)
- Measures 10/30 True Power (kW), Apparent Power (kVA), Reactive Power (kVAR), plus Horsepower (HP), Power Factor and Phase Angle with Lead/Lag indicator
- AC+DC μA current with 10nA resolution for flame rod tests
- Insulation Resistance tests to 100MΩ
- Type K temperature to 1000°F (900°C)
- 1.6’ (40mm) clamp jaw opening
- Max/Min recording with elapsed time indication
- Auto Detect AC/DC Voltage measurements with simultaneous frequency display
- Diode and Continuity tests
- Category III 600V rating

Complete with deluxe test lead kit, general purpose Type K thermocouple probe, carrying case and 9V battery.

**Yokogawa AC/DC Clamp-On Power Meter**

- AC & DC Power up to 600 kW
- True RMS for AC
- Harmonics 1st to 25th order
- Power fluctuation using the ACA Inrush and Peak Hold functions
- AC & DC Voltage to 1000 V
- AC & DC Current to 600 A
- Frequency, Resistance, Continuity, Diode check, Power factor
- White LED automatically illuminates front of jaw when clamping
- Category IV 600V & CAT III 1000V compliant

Complete with test leads, carrying case and 9V battery.

**Amprobe Compact Power Quality Clamp**

- AC/DC Voltage up to 600V, AC Current up to 600A, Resistance, Frequency; Active (W), Reactive (VAR) and Apparent (VA) Power with dual display Power Factor readout, kWh Recording
- Slim jaws fit in tight spaces & accommodate conductors up to 1.02” (26mm) diameter
- Auto Selection of AC Volts, DC Volts or AC Amps
- 3 phase unbalanced load measurement by calculation of discrete single phase measurements
- Overload protection for all functions to 600V AC and DC
- Peak hold, data hold, audible continuity test
- Optional PC interface capability
- Safety CAT III 600V

Supplied with test leads & battery.
Extech Clamp Meters

Model EX623
400A Dual Input Clamp Meters + IR Thermometer + Non-Contact Voltage Detect
- TRMS AC Voltage & Current measurements
- Dual type K thermocouple input with Differential Temperature function
- Non-contact Voltage detector with LED alert
- DC Voltage, DC Current, Resistance, Capacitance, Frequency, Duty Cycle functions
- Autoranging with manual override
- Data Hold plus Fast Hold for surges
- Complete with test leads, 9V battery, two Type K bead wire probes and case

Model MA640
600A True RMS Clamp Meters + Non-Contact Voltage Detect
- TRMS AC Voltage & Current measurements
- Non-contact Voltage detector with LED alert
- DC Voltage, DC Current, Resistance, Capacitance, Frequency, Duty Cycle
- Relative Mode for Capacitance Zero and Offset Adjustment
- Data Hold and MIN/MAX
- Complete with test leads, Type K bead wire probe, 9V battery and carrying case

800A Clamp Meters
- AC/DC Current, AC/DC Voltage, Resistance, Frequency, Capacitance, Temperature, Diode Test and Continuity
- True RMS models
- 1.2” (30mm) circular jaw opening
- Backlit LCD
- Peak, Data Hold, Auto power off
- DC Current with Zero (EX730)
- Complete with test leads, 9V battery, Type K bead wire probe (EX720, EX730) and carrying case

200A AC/DC Mini Clamp plus MultiMeter
- High resolution to 10mA
- Measures voltage, resistance and frequency
- Fast 40 segment bargraph
- One touch auto zero for DC current measurements
- Min/Max
- Data hold and auto power off
- Complete with test leads, wrist strap, 2 AA batteries and carrying case

30A True RMS AC/DC Mini Clamp
- Measure low AC/DC current with resolution to 1mA DC and 0.1mA AC
- Also measures voltage
- Fast 40 segment bargraph
- One touch auto zero for DC current measurements
- Min/Max
- Data hold and auto power off
- Complete with test leads, wrist strap, 2 AA batteries and carrying case

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>EX623</th>
<th>MA640</th>
<th>380941</th>
<th>380942</th>
<th>EX710</th>
<th>EX720</th>
<th>EX730</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Sensing:</td>
<td>TRMS</td>
<td>TRMS</td>
<td>Averaging</td>
<td>TRMS</td>
<td>Averaging</td>
<td>TRMS</td>
<td>TRMS</td>
</tr>
<tr>
<td>Display counts:</td>
<td>4000</td>
<td>6000</td>
<td>4000</td>
<td>4000</td>
<td>4000</td>
<td>4000</td>
<td>4000</td>
</tr>
<tr>
<td>Jaw size/ Cable size:</td>
<td>1.4” (36mm)</td>
<td>1.5” (40mm)</td>
<td>0.9” (23mm); 4/0 AWG</td>
<td>0.9” (23mm); 4/0 AWG</td>
<td>1.2” (30mm); 4/0 AWG</td>
<td>1.2” (30mm); 500MCM</td>
<td>1.2” (30mm); 500MCM</td>
</tr>
<tr>
<td>DC Current:</td>
<td>400µA, 40A, 400A</td>
<td>60A, 600A</td>
<td>40A, 200A</td>
<td>400mA, 3A, 30A</td>
<td>800A</td>
<td>800A</td>
<td>800A</td>
</tr>
<tr>
<td>Max resolution:</td>
<td>0.1mV, 0.01A</td>
<td>0.01A</td>
<td>0.01A</td>
<td>AC: 0.1mA, DC: 0.001A</td>
<td>0.01A</td>
<td>0.01A</td>
<td>AC: 0.01A, DC: 0.1A</td>
</tr>
<tr>
<td>Basic AC/DC Accuracy:</td>
<td>±1.5%</td>
<td>±2.8%</td>
<td>±1.0%</td>
<td>±1.5%</td>
<td>±2.8%</td>
<td>±3%</td>
<td>AC: ±3%, DC: ±2.5%</td>
</tr>
<tr>
<td>AC/DC Voltage (Max. Res.):</td>
<td>AC: 600V (0.1V)</td>
<td>DC: 600V (0.1mV)</td>
<td>AC: 600V (1mV)</td>
<td>400V (0.1V)</td>
<td>400V (0.1V)</td>
<td>600V (0.1mV)</td>
<td>600V (0.1mV)</td>
</tr>
<tr>
<td>Resistance (Max Res.):</td>
<td>40MC (0.01Ω)</td>
<td>60MΩ (0.1Ω)</td>
<td>40MC (0.1Ω)</td>
<td>40MC (0.01Ω)</td>
<td>40MC (0.01Ω)</td>
<td>40MC (0.01Ω)</td>
<td>40MC (0.01Ω)</td>
</tr>
<tr>
<td>Capacitance (Max. Res.):</td>
<td>400µF (0.01nF)</td>
<td>400µF (0.01nF)</td>
<td>---</td>
<td>400µF (0.001nF)</td>
<td>400µF (0.001nF)</td>
<td>400µF (0.001nF)</td>
<td>400µF (0.001nF)</td>
</tr>
<tr>
<td>Frequency (Max. Res.):</td>
<td>100kHz (0.01Hz)</td>
<td>10kHz (0.01Hz)</td>
<td>100kHz (0.01Hz)</td>
<td>---</td>
<td>4kHz (1Hz)</td>
<td>4kHz (1Hz)</td>
<td>4kHz (1Hz)</td>
</tr>
<tr>
<td>Temperature (Type K):</td>
<td>-58 to 1832°F</td>
<td>-4 to 1400°F</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>-4 to 1832°F / -20 to 1000°C</td>
<td>-4 to 1832°F / -20 to 1000°C</td>
</tr>
<tr>
<td>IR Temperature:</td>
<td>-58 to 518°F</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Diode/Continuity:</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Continuity</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Data Hold:</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Min/Max/Peak:</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Min/Max</td>
<td>Peak</td>
<td>Peak</td>
<td>Peak</td>
</tr>
</tbody>
</table>
**Extech Sound Meters**

**Datalogging Sound Level Meter**
- ANSI Type 2 meter with 16000 record memory
- Large LCD with fast 50 segment bargraph
- Time stamped data, Max Hold function
- RS-232 & recorder outputs
- Tripod mounting

**SPECIFICATIONS**
- Range: 30-130dB
- Basic Accuracy: ±1.5dB
- Weighting: A & C
- Response Time: Fast, slow
- Dimensions: 10.4 x 2.8 x 0.8” (265x72x21mm)

**ORDERING INFORMATION**
Complete with microphone, wind cover, Windows software, serial cable, AA batteries & carrying case.

EX/407764  Datalogging Sound Level Meter
EX/44117  120V AC Adapter
EX/407764-EXT  Microphone Extension Cable, 15ft (4.7m)
EX/407744  94dB Sound Calibrator
EX/407766  94/114dB Sound Calibrator

**Sound Level Monitor**
- Extra large display with bargraph
- Adjustable high or low limit
- OVER display
- External alarm output
- Time stamped Max reading memory
- Meets ANSI Type 2
- Wall, bench or tripod mounting

**SPECIFICATIONS**
- Frequency: 31.5Hz – 8kHz
- Ranges: 30-80dB, 60-110dB, 80-130dB
- Resolution: 0.1dB
- Weighting: A & C
- Response Time: Fast (125ms), Slow (1s)
- Dimensions: 8.75 x 7.1 x 1.25” (22x18x3.2mm)

**ORDERING INFORMATION**
Complete with swivel microphone, wind cover, AA batteries
EX/SL130G  Sound Level Monitor with 110V AC Adapter
EX/SL125  Microphone Extension Cable, 15ft (4.7m)
EX/SL123  AC Alarm Relay Module, 9ft cable
EX/SL124  DC Alarm Relay Module, 9ft cable
EX/TR100  Tripod

**Extech Clamp-On Power Datalogger**
- 1000A Clamp measures 1Ø & 3Ø power to 600kW
- Display True Power, Apparent Power, Power Factor, True RMS Voltage & Current, Resistance and Frequency
- Dual display of kW+PF, kVA+PF, V+A, A+Hz or V+Hz
- Clamp jaws open to 1.8” (46mm)
- Data Hold and Auto Power Off
- Built-in recorder dataloggs up to 4000 readings
- 25 point data memory viewable on the LCD display
- Full function display on large 4-digit LCD with fast 40 segment bargraph, Peak Hold and Min/MAX
- CAT III-600V; CE
- Includes 9V battery, alligator clips, test leads, case, RS-232 module, Windows compatible software and cable

**SPECIFICATIONS**
- Range Resolution Basic Accuracy
  - True Power: 600kW 10W ±(2%rdg+5d)
  - Apparent Power: 1000kVA 10VA ±(2%rdg+5d)
  - Peak Current: 1000A 0.1A ±(6%rdg+10d)
  - Peak Voltage: 600V 0.1A ±(6%rdg+10d)
  - AC Current (40-500Hz): 1000A 0.1A ±(1.5%rdg+5d)
  - DC Current: 1000A 0.1A ±(1.5%rdg+5d)
  - AC Voltage (40-500Hz): 600V 100mV ±(0.5%rdg+5d)
  - DC Voltage: 600V 100mV ±(0.5%rdg+5d)
  - Frequency: 5kHz 0.1Hz ±(0.5%rdg+5d)
  - Resistance: 10kΩ 1Ω ±(1%rdg+5d)
  - Continuity: Beep when <50Ω
- Dimensions: 10.2x3.7x1.8” (260x93x45mm)
- Weight: 15.9oz (450g)

**ORDERING INFORMATION**
EX/382068  Clamp-on Power Datalogger kit with software
EX/382068-NIST  Clamp-on Power Datalogger kit with software & NIST certificate
EX/480172  AC Line Splitter, 3-prong plug with x1 & x10 positions, live voltage indicator

**NEW**
Fluke Clamp Meters

Five new models offer an impressive array of innovative features with TRMS current ranges up to 2500A, TRMS voltage ranges to 1000V.

- Measure to 1000A with fixed jaws, 2500A with flexible current probe
- Designed for one hand operation
- Removable display for remote reading up to 30 ft away (381)
- DCV & DCA measurements (most models)
- Resistance & continuity functions
- Frequency to 500Hz (most models)
- Large, backlit display with data hold
- In-rush current function (on most models) for measuring starting current
- Auto shut-off maximizes battery life

### SPECIFICATIONS

| Model       | AC response | AC amps (jaw) | Accuracy | Crest factor | Flexible current probe | AC amps (probe) | Accuracy | AC volts | Accuracy | DC amps | DC volts | Accuracy | mV range | Resistance | Continuity Beeper | Capacitance | Frequency | Remote Display | Max Wire Diameter (jaw) | Inrush | MIN/MAX/AVG | Backlight | Display Hold | Size (HxWxD) (mm) | Rating            |
|-------------|-------------|---------------|----------|-------------|------------------------|----------------|----------|----------|----------|---------|----------|----------|----------|----------|------------|----------------|---------|------------|-----------|-------------|----------------|-------------------|
| Fluke 373   | True-rms    | 600.0 A       | 2% ± 5 counts (48-62 Hz) | 2.5 @ 600 A | –                      | 250 A          | –        | 600.0 V  | 1% ± 5 counts | –       | –        | 600 Ω    | 500.0 mV  | 60k Ω     | <30 Ω             | yes         | yes        | yes       | yes         | 232 x 85 x 45 | CAT III 600V |
| Fluke 374   | True-rms    | 600.0 A       | 2% ± 5 counts (10-100 Hz) | 2.5 @ 600 A | –                      | 2500 A         | –        | 600.0 V  | 1% ± 5 counts | –       | –        | 60k Ω    | 500.0 mV  | 60k Ω     | <30 Ω             | yes         | yes        | yes       | yes         | 248 x 85 x 45 | CAT III 1000V |
| Fluke 375   | True-rms    | 600.0 A       | 2% ± 5 counts (10-100 Hz) | 2.5 @ 600 A | –                      | 2500 A         | –        | 1000 V   | 1% ± 5 counts | –       | –        | 60k Ω    | 500.0 mV  | 60k Ω     | <30 Ω             | yes         | yes        | yes       | yes         | 248 x 85 x 45 | CAT IV 600V |
| Fluke 376   | True-rms    | 999.9 A       | 2% ± 5 counts (10-100 Hz) | 1.42 @ 1000 A | 3 @ 500 A | compatible | 2500 A | 1000 V   | 1% ± 5 counts | –       | –        | 600 Ω    | 500.0 mV  | 600 Ω     | <30 Ω             | yes         | yes        | yes       | yes         | 280 x 88 x 50 | CAT III 1000V |
| Fluke 381   | True-rms    | 999.9 A       | 2% ± 5 counts (10-100 Hz) | 1.42 @ 1000 A | –          | compatible | 2500 A | 1000 V   | 1% ± 5 counts | –       | –        | 600 Ω    | 500.0 mV  | 600 Ω     | <30 Ω             | yes         | yes        | yes       | yes         | 280 x 88 x 50 | CAT IV 600V |

Operating Temperature: -10°C to 50°C (14 °F to 122 °F)

Warranty: 3 years

### OPTIONAL ACCESSORIES

- **i2500-10**  iFlex Flexible Current Probe 10“
- **i2500-18** iFlex Flexible Current Probe 18“

### ORDERING INFORMATION

- Fluke 373  600A True RMS AC Clamp Meter
- Fluke 374  600A True RMS AC/DC Clamp Meter
- Fluke 375  600A True RMS AC/DC Clamp Meter
- Fluke 376  1000A TRMS Clamp Meter with 18“ iFlex probe
- Fluke 381  Remote Display TRMS Clamp Meter with 18“ iFlex probe

---

**New Model Changes from Old Fluke Model**

- **R75** Includes all 337 features plus:
  - CAT IV 600 V, CAT III 1000 V
  - iFlex™ 2500 A ac
  - 1000 V ac/dc
  - mV dc
  - 60 kΩ
  - 1000 μF
  - Min/Max/Avg
- **R75** Includes all 336 features plus:
  - CAT IV 600 V, CAT III 1000 V
  - Optional iFlex™ 2500 A ac
  - mV dc
  - 60 kΩ
  - 1000 μF
  - Min/Max/Avg
- **R74** Includes all 335 features plus:
  - CAT IV 600 V, CAT III 1000 V
  - Optional iFlex™ 2500 A ac
  - 600 A ac/dc
  - mV dc
  - 60 kΩ
  - 1000 μF
  - Min/Max/Avg
- **R73** Includes all 333 features plus:
  - CAT IV 600 V, CAT III 1000 V
  - True-rms
  - 6000 Ω
  - 1000 μF

---

**NEW**
Fluke Leakage Clamp Meter

- Measure leakage current with 1 µA resolution, for monitoring of insulation erosion
- Measure to 60 A, for general installation needs
- Perform tests without powering down the installation or disconnecting equipment
- Advanced shielding ensures accurate results when measuring near other conductors
- Easy-to-carry, pocket-sized clamp with 40 mm (1.5") jaw size
- Handy “Display-Hold” button for capturing readings in hard-to-reach places
- Auto power-off, with warning buzzer, saves battery life
- Meets safety standard VDE0404-4 and VDE0702 for leakage current and differential current measurement of electrical appliances

ORDERING INFORMATION
Fluke-360 Leakage Current Clamp Meter

Hioki AC Power Monitors

Clamp-On Power HiTester
- Measure up to two 3Ø, 3-wire systems
- Measure up to four 1Ø, 2-wire systems
- 5A to 5000A range
- Simultaneous recording of demand values and harmonics
- Ideal for troubleshooting & energy management

3169 SPECIFICATIONS
- Systems: 1Ø 2-wire, 1Ø 3-wire, 3Ø 3-wire, 3Ø 4-wire (50/60 Hz)
- Functions: ACV, ACA, W, VA, VAr, PF, integrated power, Frequency, Harmonics
- Ranges: 150/300/600V
  - With 9660: 50/100A
  - With 9661: 50/500A
  - With 9667: 5000/500A
  - With 9669: 1000A
- Power: 750W to 9MW, 108 combination patterns
- Accuracy: ±0.2% rdg ±0.1% f.s. + Clamp accuracy (for active power)
- Harmonics: Up to the 50th order, ±3% FS + measurement accuracy

3196 SPECIFICATIONS
- Systems: 1Ø 2-wire, 1Ø 3-wire, 3Ø 3-wire, 3Ø 4-wire (50/60 Hz)
- Ranges:
  - Ch1, Ch2, Ch3: 150/300/600V
  - Ch4: 60/150/300/600V AC, 60/600V DC
  - 9660: 50/100A
  - 9661: 50/500A
  - 9667: 5000/500A
  - 9669: 1000A
- Measurements:
  1. Transient overvoltage
  2. Voltage swell, Voltage dip, Voltage interruption
  3. Frequency, Voltage, Current, Voltage/Current peak
  4. Harmonic voltage/current/power, Inter harmonic voltage/current, Harmonic voltage current phase angle
- Total harmonic/inter harmonic distortion
- Internal Memory: 13MB
- Interface: Flash ATA card (up to 528MB), RS-232C, LAN (10BASE-T), HTTP server function
- Power: Rechargeable battery & AC adapter
- Dimensions: 11.8"W x 8.5"H x 2.7"D

ORDERING INFORMATION
HK/3169-20 Clamp-On Power HiTester, with voltage leads
HK/3196 Power Quality Analyzer, with voltage leads
HK/9660 100A Clamp-On Sensor
HK/9661 500A Clamp-On Sensor
HK/9669 1000A Clamp-On Sensor
HK/9667 5000A Flexible Clamp-On Sensor
HK/9694 5A Clamp-On Sensor
Other Options: Printer, memory cards, PC software, carrying case
### Hioki Testers

**MULTI-FUNCTION DMMS**
- AC/DC Voltage & Current
- Resistance & Continuity
- 9999 count LCD display
- Min/Max, Average & Relative values
- 4-20 mA measurement converts to 0-100% display
- Optional RS-232C package for PC data transfer

### VOLTAGE DETECTOR
- Detect AC Voltage in Insulated Wires

**SPECIFICATIONS**
- **Voltage Range:** 70-600VAC, 50/60Hz
- **Indication:** Red LED and continuous beep
- **Battery Check:** Green LED
- **Operating Temperature:** 0 to 40˚C, <80%RH (non-condensing)
- **Standards:** CAT IV 600V, indoor use
- **Dimensions:** 5.9"L x 0.7"dia (149 x 18.5mm)

### CLAMP-ON HITESTERS

**FUNCTION RANGE (ACCURACY)**
- **AC Amps:**
  - 3280-10: 42 / 420 / 1000A (50/60Hz; ±1.5% rdg ±5d), 3280-20: 42 / 420 / 1000A (45-66Hz: ±1.5% rdg ±5d), (40-45Hz or 66Hz- 1kHz: ±2.0% rdg ±5d)
- **DC Volts:** 420m / 4.2 / 42 / 420 / 600V (±1.3% rdg ±4d)
- **AC Volts:** 4.2 / 42 / 420 / 600V (50-500Hz, ±2.3%rdg ±8d)
- **Ohms:**
  - 420Ω (±2.0% rdg ±6d), buzzer <50Ω
  - 4.2Ω (±5.0% rdg ±6d), 42MO (±10.0% rdg ±4d)
- **Continuity:**
  - 420Ω (±2.0% rdg ±6d), buzzer <50Ω
- **Wire Size:** 1.3" (33mm) max diameter
- **Allowable Current:** 2000A AC rms max continuous
- **Overload Protection:** DCV/ACV: 600V DC/AC rms; CC/Continuity: 250V DC/AC rms
- **Operating Temperature:** 0 to 40 °C, <80%RH (non-condensing)
- **Standards:** CAT III 600V(AC A), CAT II 600V(AC/DC V)
- **Dimensions:** 2.2"W x 6.9"H x 0.6"D

### ORDERING INFORMATION
- **3804**
  - HK/3804-50 4-Digit DMM
- **3120**
  - HK/3120 Voltage Detector, batteries included
  - HK/3129 Phase Detector, with carrying case & AA batteries
  - HK/3246 Pencil HiTester, battery included
  - HK/3280-10 Clamp-On HiTester, with leads, battery & carrying case
  - HK/3280-20 TRMS Clamp-On HiTester, with leads, battery & carrying case
Hioki Testers

INFRARED THERMO HITESTER
- Pistol Style with Backlit LCD
- Laser Aiming Marker
- Selectable °F/°C
- Min/Max Function
- Upper/Lower Alarm Settings
- Stores 50 Measurements

Also in HPK-1 Kit

3419-20

SPECIFICATIONS
Measurement Range: -35 to 500 °C (-31 to 932 °F)
Display Resolution: 0.1 °C (0.2 °F)
Wavelength: 6 to 14 μm
Emissivity: 0.17 to 1.00 by steps of 0.01
Field of View: 8 : 1 distance to spot
Sighting: Red laser marker, 1 mW (class 2)
Accuracy: -35.0 to -0.1 °C : ± 10 % rdg. ± 2 °C
0.0 to 100.0 °C : ± 2 °C
100.1 to 500.0 °C : ± 2 % rdg.
Battery (Life): 9V alkaline (50 hours)
Display: LCD with backlight & beeper
Switch: Select between meters or feet

TRMS AC CLAMP METER WITH LEAKAGE
- Measure to 200A TRMS AC
- Leakage with 10μA Resolution
- Recorder/Waveform Output
- Min/Max & Display Hold
- Switchable Filter

3283

SPECIFICATIONS
AC Amps: 10.00 mA to 200 A, 5 ranges
Accuracy (50/60Hz): ±1.0 % rdg. ±5 dgt. (1.5 % on 200 A range)
Frequency Response: 40 Hz to 2 kHz (on AC Amps)
Frequency Measure: 100.0 or 1000 Hz, 2 ranges (±0.3 % rdg. ±1 dgt.)
Switchable Filter: 180 Hz ±30 Hz /-3 dB
Analog Output: 1 V /5s, DC or AC mode
Display: 1000 count digital, 35 segment bargraph
Sampling Rate: 2 or 4 times/sec (Slow: 1 time/3 sec)
Crest Factor: 2.5 (1.5 on 200 A range)
Circuit Voltage: 300 V AC rms max. (insulated wire)
Power: 9V battery or AC adapter
Wire Dia.: Ø 40 mm (1.57") max.
Dimensions: 2.44" × 9.06" × 1.54" (62×230×39 mm)

LAN TESTER
- Verify Wire Destinations
- Detect Split Pairs
- Measure Cable Length
- Check Wire & Shield Condition

3665-10

SPECIFICATIONS
Cable Types: Twisted-pair, 100Ω shielded/unshielded, CAT 3, 4, 5, 5e, 6
Connectors: RJ-45 plugs
Errors Detected: Open, short, reversed, transposed, split pairs & miswires
Cable Length: 2-300 m, (6.6-984 ft) with 0.1 m (0.3 ft) resolution
Direction Check: Up to 21 cables can be identified using the supplied 9690 terminator & optional 9690-01 to 9690-04
Display: LCD with backlight & beeper
Switch: Select between meters or feet
Battery (Life): 9V alkaline (80 hrs with laser & backlight off)
Dimensions: 3.4" × 5.2" × 1.3" (85×130×33 mm)

NEW

PENCIL DMM
- Backlit 4199 Count LCD
- Data Hold, Continuity Beeper
- Auto or Manual Ranging

3246

SPECIFICATIONS
DC Volts: 420m / 4.2 / 42 / 420 / 600V (±1.3 % rdg ± 4d)
AC Volts (50-500Hz): 4.2 / 42 / 420 / 600V (±2.3 % rdg ±8d)
Ohms: 420 / 4.2k / 42k / 420k / 4.2M / 42MΩ (±2.0 % rdg ±4d), plus diode check
Rating: CAT III 600 V
Dimensions: 1.2" × 1.0" × 7.2" (31×26×84 mm)

ORDERING INFORMATION
HK/3246 Pencil DMM, battery included
HK/3282 TRMS AC Clamp Meter
HK/3283 TRMS AC Clamp Meter & Leakage Tester, with case & strap
HK/3419-20 Infrared Thermo HiTester, with carrying case
HK/3665-10 LAN Tester, with carrying case & 9690 Terminator
HK/HPK-1 HVAC/Electrical Contractor Kit (includes 3120 Voltage Probe, 3280-10 Clamp-on Meter, 3419-20 IR Tester, 3804 DMM)
**Megger® Clamp-on Testers**

**NEW**

**Ground Resistance Testers**
- Easy, fast clamp-on operation – No rods or cables needed
- Measure ground resistance from 0.05Ω to 1500Ω
- Measure ground leakage or phase current from 0.5mA to 35A
- Auto ranging with high & low alarms
- Automatic self calibration
- Data storage & USB interface

**Applications**
- Measure resistance and continuity of grounding loops around pads, poles and buildings.
- Check multi-grounded systems without disconnecting the ground rod/stake under test.
- Measure leakage current flowing to ground or circulating in ground systems.
- Use on cell towers, RF transmitters and telecom sites.
- Inspect and verify lightning protection systems.
- Test consumer installations, including pools, spas, etc.

**Features**
- Backlit LCD display can be read in bright sunlight.
- Large 39 x 55mm jaw with 39mm (1.5") opening.
- Noise filter for stable readings in noisy environments.
- Hold function for difficult to reach installations.
- 24 hour battery life with auto-off to save on battery power.
- Two alarms with adjustable threshold & audible indication.
- Stores 2000 test results (DET24C).
- Calibration check loop insures proper operation.
- CAT IV 600V safety rating.

**Ranges**

<table>
<thead>
<tr>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.05 - 0.99Ω</td>
<td>0.01Ω</td>
<td>±1.5% ± 0.05Ω</td>
<td>0.5 - 0.99mA</td>
<td>0.01mA</td>
<td>±1.5% ± 0.05Ω</td>
</tr>
<tr>
<td>1.00 - 9.99Ω</td>
<td>0.01Ω</td>
<td>±1.5% ± 0.1Ω</td>
<td>1.00 - 9.99mA</td>
<td>0.01mA</td>
<td>±1.5% ± 0.1Ω</td>
</tr>
<tr>
<td>10.0 - 99.9Ω</td>
<td>0.1Ω</td>
<td>±2% ± 0.5Ω</td>
<td>10.0 - 99.9mA</td>
<td>0.1mA</td>
<td>±2% ± 0.5Ω</td>
</tr>
<tr>
<td>100.0 - 999.9Ω</td>
<td>0.1Ω</td>
<td>±5% ± 1Ω</td>
<td>100.0 - 999mA</td>
<td>1mA</td>
<td>±5% ± 1Ω</td>
</tr>
<tr>
<td>200 - 400Ω</td>
<td>1Ω</td>
<td>±6% ± 5Ω</td>
<td>10.0 - 99.9mA</td>
<td>0.01A</td>
<td>±6% ± 5Ω</td>
</tr>
<tr>
<td>400 - 600Ω</td>
<td>1Ω</td>
<td>±10% ± 10Ω</td>
<td>10.0 - 35.0mA</td>
<td>0.1A</td>
<td>±10% ± 10Ω</td>
</tr>
<tr>
<td>600 - 1200Ω</td>
<td>1Ω</td>
<td>±20%</td>
<td>TRMS reading, CF&lt;5, 50-400Hz</td>
<td>Basic Accuracy 2% @ 50/60Hz</td>
<td></td>
</tr>
<tr>
<td>1200 - 1500Ω</td>
<td>1Ω</td>
<td>±35%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Model DET24C includes USB interface, IrDA dongle and software for downloading test data. Both models include batteries, carrying case, carrying strap & calibration loop.

**Ordering Information**

- ME/DET14C Digital Earth Test Clamp-on Meter
- ME/DET24C Digital Earth Test Clamp-on Meter with USB

**Hioki Battery Testers**

- Test without disconnecting the batteries
- Three level indication: Pass, Warning, Fail
- Audible beeper (3555)
- PC Interface & software (3554)

Get an instantaneous check of battery condition based on internal resistance and voltage.

Model 3554 for medium and high capacity lead-acid batteries. Model 3555 for compact storage batteries used in portable telephones and similar applications.

**Specifications**

<table>
<thead>
<tr>
<th>3554</th>
<th>3555</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Ranges:</td>
<td></td>
</tr>
<tr>
<td>Ohms:</td>
<td></td>
</tr>
<tr>
<td>3μΩ-3Ω</td>
<td>300μΩ-30Ω</td>
</tr>
<tr>
<td># Ranges</td>
<td>4</td>
</tr>
<tr>
<td>1μΩ</td>
<td>100μΩ</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.8% rdg +6d</td>
</tr>
<tr>
<td>0.8% rdg +6d</td>
<td>0.8% rdg +6d</td>
</tr>
<tr>
<td>Test Current</td>
<td>150mA-1.5mA</td>
</tr>
<tr>
<td>5mA-50mA</td>
<td>5mA-50mA</td>
</tr>
<tr>
<td>DC Volts</td>
<td>±6V, ±60V</td>
</tr>
<tr>
<td>3V, ±30V</td>
<td>±3V, ±30V</td>
</tr>
<tr>
<td>Best resolution</td>
<td>1mV</td>
</tr>
<tr>
<td>1mV</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.08% rdg +6d</td>
</tr>
<tr>
<td>0.1% rdg +6d</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>-10 to +60°C</td>
</tr>
<tr>
<td>0.1°C</td>
<td>--</td>
</tr>
<tr>
<td>Test Frequency</td>
<td>1kHz</td>
</tr>
<tr>
<td>1kHz</td>
<td></td>
</tr>
<tr>
<td>Max. Input</td>
<td>60V DC</td>
</tr>
<tr>
<td>50V DC</td>
<td></td>
</tr>
<tr>
<td>Comparator</td>
<td>Hi &amp; low ohm limit, low volt limit (both models)</td>
</tr>
<tr>
<td># Limit Sets</td>
<td>200 stored</td>
</tr>
<tr>
<td>10 stored</td>
<td></td>
</tr>
<tr>
<td>Data Memory</td>
<td>4800 data/limit sets</td>
</tr>
<tr>
<td>Alert</td>
<td>--</td>
</tr>
<tr>
<td>LCD icon</td>
<td>LED &amp; Beeper</td>
</tr>
<tr>
<td>Batteries</td>
<td>9 x AA</td>
</tr>
<tr>
<td>6 x AA</td>
<td></td>
</tr>
<tr>
<td>Life</td>
<td>up to 10 hrs</td>
</tr>
<tr>
<td>up to 18 hrs</td>
<td></td>
</tr>
<tr>
<td>PC Interface</td>
<td>USB</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>0-40°C, &lt;80% RH non-condensing</td>
</tr>
<tr>
<td>Dimensions</td>
<td>7.7 x 5.1 x 2.2&quot; (196x130x55mm)</td>
</tr>
</tbody>
</table>

**Supplied Accessories**

- 3554 Pin-type test leads, USB cable, data management sofware, carrying case, zero adjust board, batteries, spare fuse
- 3555 Pin-type test leads, batteries.

**Ordering Information**

- HK/3554 Battery Tester (lead-acid batteries)
- HK/3555 Battery Tester (portable batteries)
- HK/9382 Carry case for 3555
- HK/9453 4-terminal lead set
- HK/9466 Remote Control Switch for 3554
Ideal Clamp Meters

Backlit TightSight™ bottom display for viewing in dark, bright, or tight locations.

- 600A & 1000A models
- Two backlit LCD displays
- Voltage-presence warning on all functions
- Tapered jaws with hook tip
- Max/min
- Peak max/min (1ms)
- Audible continuity
- Selectable auto power off
- Data hold
- Low battery indicator
- Hinged rubber cover protects end display
- CATIV- 600V, CATIII-1000V rating

61-772

ORDERING INFORMATION
Includes leads, alligator clip and case
SP/61-772 1000AAC TRMS Clamp Meter
SP/61-774 1000AAC TRMS Clamp Meter w/ DC Current, Capacitance
SP/61-764 600AAC Clamp Meter
SP/61-766 600AAC TRMS Clamp Meter w/ Capacitance, Frequency, 40A Range
SP/61-768 600AAC TRMS Clamp Meter w/ DC Current

Megger Clampmeters

MULTI-CORE CLAMP METER

- Measure single, two or three core cables
- No need to split wires
- Cable centering clamp
- Backlit display

MMC850

**SPECIFICATIONS**

**AC Amps**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Core</td>
<td>200A</td>
<td>0.1A</td>
<td>±1.5%</td>
<td>45Hz - 1kHz</td>
</tr>
<tr>
<td>Multi-Core</td>
<td>100A</td>
<td>0.1A</td>
<td>±5%</td>
<td>45Hz - 400Hz</td>
</tr>
</tbody>
</table>

**LEAKAGE CLAMP METER**

- 0.01mA resolution for measuring earth leakage currents
- Amp ranges for standard current measurements
- Analog bargraph display for trending
- 40m jaw opening

DCM300E

**SPECIFICATIONS**

**Ranges:**

30mA/300mA/30A/300A (50/60Hz)

**Accuracy:**

- 30/300mA: ±1.2% rdg ±5d
- 0-200A: ±1.2% rdg ±5d
- 200-250A: ±3.0% rdg ±5d
- 250-300A: ±5.0% rdg ±5d

**Circuit Voltage:**

600V AC max.

**Jaw Capability:**

40mm (1.57")

**Display:**

3 1/2 digit, 3200 count

**Data Hold:**

Indicated by DH in display

**Operating Temp.:**

0°C to +40°C, <80% RH

**Storage Temp.:**

-20°C to +60°C, <70% RH

**Battery:**

2 LR44 button cells

**Dimensions:**

2.5" x 7" x 0.9" (64 x 176 x 23mm)

**Safety:**

300V phase to earth, 500V phase to phase CAT III or 600V CAT II

**ORDERING INFORMATION**

ME/MMC850 Multi-Conductor AC Clamp Meter with carrying case
ME/DCM300E Leakage Clampmeter with carrying case
### Simpson Analog VOM
- Industry Standard Model 260
- 36 Measurement Ranges
- Mirrored Scale
- CAT III-600V (260-95)
- 10A AC (260-95)
- 1000V AC/DC Max (260-8)

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Model #</th>
<th>Description</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI/12388</td>
<td>260-8</td>
<td>General Purpose, Phenolic Case</td>
<td>Cat. # for Model 260-8, 8P</td>
</tr>
<tr>
<td>SI/12391</td>
<td>260-8P</td>
<td>Relay Protected</td>
<td>Cat. # for Model 260-8X, 8XI, 8XPI</td>
</tr>
<tr>
<td>SI/12392</td>
<td>260-8RT</td>
<td>Roll Top Case</td>
<td>Cat. # for Model 260-8RT</td>
</tr>
<tr>
<td>SI/12395</td>
<td>260-8XI</td>
<td>Yellow ABS Plastic Case</td>
<td>Cat. # for Model 260-8XI, 8XPI, 9S, 9SP</td>
</tr>
<tr>
<td>SI/12396</td>
<td>260-8XI</td>
<td>Yellow Case, Relay-Protected</td>
<td>Cat. # for Model 260-8XI, 260-8XPI</td>
</tr>
<tr>
<td>SI/12397</td>
<td>260-9S</td>
<td>Safety VOM Orange, with Case</td>
<td>Cat. # for Model 260-8, 8P, 8RT, 8PRT, 9S, 9SP</td>
</tr>
<tr>
<td>SI/12398</td>
<td>260-9SP</td>
<td>Safety VOM Protected, with Case</td>
<td>Cat. # for Model 260-8X, 9</td>
</tr>
</tbody>
</table>

### Triplett Analog VOM
- 58 Ranges & Functions (Model 60-NA)
- Withstands 5 Foot Drop
- 3 Year Warranty
- Mirrored Scale

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR/3145</td>
<td>Model 60 VOM (Orange Case)</td>
<td>Test Leads</td>
</tr>
<tr>
<td>TR/3151</td>
<td>Model 60-NA (Gray Case)</td>
<td></td>
</tr>
<tr>
<td>TR/10-823</td>
<td>639 Carrying Case (Top Opening)</td>
<td>TR/79-373 Miniature Clip Leads (female jack)</td>
</tr>
<tr>
<td>TR/10-2739</td>
<td>639-A Carrying Case (Snap back Cover)</td>
<td>TR/79-374 48” Test Leads w/ Screw-On Alligator Clips (female jack)</td>
</tr>
<tr>
<td>TR/4152</td>
<td>639-C Padded Cordura Carrying Case</td>
<td>AC Amps Clamp-On</td>
</tr>
</tbody>
</table>

### Weschler Columbia AC/DC Clamp-On Tong Test Ammeters
Ideal for verifying current in plating tanks, coating systems, welding equipment, motors, generators & transformers
- Instant Readings
- One Hand Operation
- No Transformers or Shunts Needed

The Tong Test Ammeter reads the true RMS (heating) value, regardless of wave shape. It contains no batteries, rectifiers, switches or electrical windings to overheat or burn out. Currents in lines up to 2300V can be measured if the cables are properly insulated. DC accuracy is 5% of full scale, AC accuracy (25-100Hz) is 2%, except 5% on ranges above 500A. Add 1% for 100-400Hz.

Plug-in Range modules: 0-100A, 0-150A, 0-200A, 0-300A, 0-400A, 0-500A, 0-600A, 0-800A, 0-1000A. The effective range can be lowered by winding two or more turns of the conductor around the tongs.

#### Clamp-On Tong Test Ammeters

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX</td>
<td>for conductors up to 1 ¾” dia.</td>
</tr>
<tr>
<td>C</td>
<td>for conductors up to 2 ⅞” dia.</td>
</tr>
<tr>
<td>D</td>
<td>for conductors up to 3” dia. or bus bars to 4”x1” or 4 ½”x½”</td>
</tr>
</tbody>
</table>

Specify range model(s) when ordering.
Yokogawa Clamp-On Testers

AC Current
CL100 Series
- AC Current to 2000A
- AC Voltage Measurement
- Resistance / Continuity (CL130 & CL150)
- Data Hold
- IEC CAT III

AC Leakage Current
CL300 Series
- AC Current to 1000A
- AC Leakage with 10μA Resolution
- Wide Jaw Opening
- AC & DC Recorder Outputs (CL360)
- Peak / Data Hold

AC/DC Current
CL200 Series
- AC & DC Current to 2000A
- AC & DC Voltage Measurements
- Resistance / Continuity
- TRMS & Frequency (CL235 & CL255)
- Peak / Data Hold

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Display</th>
<th>DC Current</th>
<th>AC Current</th>
<th>DC Voltage</th>
<th>AC Voltage</th>
<th>Resistance</th>
<th>TRMS</th>
<th>Frequency</th>
<th>Continuity Check</th>
<th>Peak Hold</th>
<th>Data Hold</th>
<th>Recorder Output</th>
<th>Jaw opening capacity</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL120 2000</td>
<td>-</td>
<td>20/200A (2 ranges)</td>
<td>-</td>
<td>300V (1 range)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>24mm 0.95*</td>
<td>CAT III 300V</td>
</tr>
<tr>
<td>CL130 2000</td>
<td>-</td>
<td>200/600A (2 ranges)</td>
<td>-</td>
<td>200/600V (2 ranges)</td>
<td>200Ω (1 range)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>33mm 1.30*</td>
<td>CAT III 600V</td>
</tr>
<tr>
<td>CL150 4000</td>
<td>-</td>
<td>400/2000A (2 ranges)</td>
<td>40/400/750V (3 ranges)</td>
<td>40/400/750V (3 ranges)</td>
<td>400/4000/40k/400kΩ (4 ranges)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>55mm 2.16*</td>
<td>CAT III 600V CAT II 1000V</td>
</tr>
<tr>
<td>CL220 4000</td>
<td>40/300A (2 ranges)</td>
<td>40/300A (2 ranges)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>24mm 0.95*</td>
<td>CAT III 300V</td>
</tr>
<tr>
<td>CL235 4000</td>
<td>400/1000A (2 ranges)</td>
<td>400/600A (2 ranges)</td>
<td>40/400/600V (3 ranges)</td>
<td>40/400/600V (3 ranges)</td>
<td>400/4000Ω (2 ranges)</td>
<td>• • • • •</td>
<td>-</td>
<td>-</td>
<td>•</td>
<td>-</td>
<td>-</td>
<td>33mm 1.30*</td>
<td>CAT III 600V</td>
<td></td>
</tr>
<tr>
<td>CL250 4000</td>
<td>400/2000A (2 ranges)</td>
<td>400/2000A (2 ranges)</td>
<td>40/400/1000V (3 ranges)</td>
<td>40/400/750V (3 ranges)</td>
<td>400/4000Ω (2 ranges)</td>
<td>-</td>
<td>-</td>
<td>• •</td>
<td>-</td>
<td>-</td>
<td>55mm 2.16*</td>
<td>CAT III 600V CAT II 1000V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CL255 4000</td>
<td>400/2000A (2 ranges)</td>
<td>400/2000A (2 ranges)</td>
<td>40/400/1000V (3 ranges)</td>
<td>40/400/750V (3 ranges)</td>
<td>400/4000Ω (2 ranges)</td>
<td>• • • • •</td>
<td>-</td>
<td>-</td>
<td>• •</td>
<td>-</td>
<td>-</td>
<td>55mm 2.16*</td>
<td>CAT III 600V CAT II 1000V</td>
<td></td>
</tr>
<tr>
<td>CL320 2000</td>
<td>-</td>
<td>20/200mA 200A (3 ranges)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>24mm 0.95*</td>
<td>CAT III 300V</td>
</tr>
<tr>
<td>CL340 4000</td>
<td>-</td>
<td>40/400mA 40/400mA (4 ranges)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>40mm 1.57*</td>
<td>CAT III 300V</td>
</tr>
<tr>
<td>CL360 2000</td>
<td>-</td>
<td>200mA 2/20/200/1000A (5 ranges)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>68mm 2.68*</td>
<td>CAT III 300V</td>
</tr>
</tbody>
</table>

Limited Lifetime Warranty on all Models