

Test & Measurement

Crafted for optimum durability, reliability and functionality, our line of test and measurement equipment is engineered with the user in mind. Designed for, and by electricians, our electrical testers provide the latest in innovative, time-saving features that professionals require.



For Professionals...
Since 1857™

Tough Digital Clamp Meters

TOUGH METER

True RMS Measurement Technology



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Thermocouple with adapter (temperature-measuring models only)
- Batteries



- CAT IV 600V, CAT III 1000V, Class 2, Double insulation safety rating
- Built to withstand a 6.6 ft. (2 m) drop
- Meets requirements for use in basic and controlled electromagnetic environments like residential, office and light-industrial locations

- The **CL600** is an auto-ranging TRMS digital clamp meter that measures AC current via the clamp, and measures AC/DC voltage, resistance, continuity, and tests diodes via test leads
- The **CL700** is an auto-ranging TRMS digital clamp meter that measures AC current via the clamp, and measures AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe. It also features a Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages
- The **CL800** is an auto-ranging TRMS digital clamp meter that measures AC/DC current via the clamp, and measures AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe. It also features a Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages

| Features | CL600 | CL700 | CL800 |
|-----------------------------|------------------------|---------------------------------|---------------------------------|
| Drop Protection | 6.6 ft. (2 m) | 6.6 ft. (2 m) | 6.6 ft. (2 m) |
| Ingress Protection | IP40 | IP40 | IP40 |
| Safety | CAT IV 600V | CAT IV 600V | CAT IV 600V |
| AC Voltage (Volts) | 1000V | 1000V | 1000V |
| DC Voltage (Volts) | 1000V | 1000V | 1000V |
| AC Current (Amps) | 600A | 600A | 600A |
| DC Current (Amps) | — | — | 600A |
| Ohms (Resistance) | 60MΩ | 60MΩ | 60MΩ |
| AC Millivolts | — | — | — |
| DC Millivolts | • | • | • |
| True RMS | • | • | • |
| Audible Continuity | • | • | • |
| Backlight | • | • | • |
| Temperature | — | -14° – 1000°F (-26° – 538°C) | -14° – 1000°F (-26° – 538°C) |
| Low Impedance | — | • | • |
| Non-Contact Voltage Testing | • | • | • |
| Auto Ranging | • | • | • |
| Range Hold | • | • | • |
| Data Hold | • | • | • |
| Diode Test | • | • | • |
| Capacitance Test | — | 6000 μF | 6000 μF |
| Frequency / Duty Cycle | — | 1Hz – 500 KHz | 1Hz – 500 KHz |
| Max / Min | • | • | • |
| Magnetic Mount | Available As Accessory | Available As Accessory | Available As Accessory |
| Worklight | — | — | • |
| Auto-Power Off | • | • | • |
| LCD Display Count | 6000 | 6000 | 6000 |



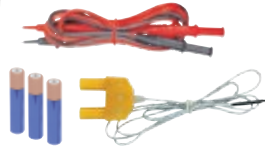


Digital Clamp Meters



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Thermocouple (temperature-measuring models only)
- Batteries



- CAT III 600V, Class 2, Double insulation safety rating
- Backlit display for clear readings
- Low battery indicator and easily accessible battery compartment
- Meets requirements for use in basic and controlled electromagnetic environments like residential, office and light-industrial locations
- Built to withstand a 3.3 ft. (1 m) drop

- The **CL110** is an auto-ranging digital clamp meter that measures AC current via the clamp, and AC/DC voltage, resistance and continuity via test leads
- The **CL210** is an auto-ranging digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance and continuity via test leads, and temperature via a thermocouple probe
- The **CL310** is an auto-ranging True Root-Mean-Squared (TRMS) digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe



NEW
High-Visibility
Display

- The **CL330** is an auto-ranging True Root-Mean-Squared (TRMS) digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test-leads, and temperature via a thermocouple probe. It features a super bright high visibility dual-line OLED display screen that optimizes viewability in dark or bright environments and when viewed at indirect angles



| Features | CL110 | CL210 | CL310 | CL330 |
|-----------------------------|---------------|----------------------------------|----------------------------------|----------------------------------|
| Drop Protection | 3.3 ft. (1 m) | 3.3 ft. (1 m) | 3.3 ft. (1 m) | 3.3 ft. (1 m) |
| Ingress Protection | — | — | — | — |
| Safety | CAT III 600V | CAT III 600V | CAT III 600V | CAT III 600V |
| AC Voltage (Volts) | 600V | 600V | 600V | 600V |
| DC Voltage (Volts) | 600V | 600V | 600V | 600V |
| AC Current (Amps) | 400A | 400A | 400A | 400A |
| DC Current (Amps) | — | — | — | — |
| Ohms (Resistance) | 20MΩ | 20MΩ | 40MΩ | 40MΩ |
| AC Millivolts | • | • | — | — |
| DC Millivolts | • | • | • | • |
| True RMS | — | — | • | • |
| Audible Continuity | • | • | • | • |
| Backlight | • | • | • | • |
| Temperature | — | -40° - 1832°F (-40° - 1000°C) | -40° - 1832°F (-40° - 1000°C) | -40° - 1832°F (-40° - 1000°C) |
| Low Impedance | — | — | — | — |
| Non-Contact Voltage Testing | — | — | — | — |
| Auto Ranging | • | • | • | • |
| Range Hold | • | • | • | • |
| Data Hold | • | • | • | • |
| Diode Test | — | — | • | • |
| Capacitance Test | — | — | 4000 μF | 4000 μF |
| Frequency / Duty Cycle | — | — | 10Hz - 1MHz | 10Hz - 1MHz |
| Max / Min | MAX only | MAX only | • | • |
| Magnetic Mount | — | — | — | — |
| Worklight | — | — | — | — |
| Auto-Power Off | • | • | • | • |
| LCD Display Count | 2000 | 2000 | 4000 | — |
| OLED Display Count | — | — | — | 4000 |
| Bar Graph | — | — | — | • |

Specifications are subject to change.
See page 310 for additional information on warnings.



See warning section on page 208 for important safety information regarding clamp meters

Clamp Meters

Clamp Meter Specifications

| Cat. No. | Safety Rating | Batteries | Jaw Size | Height | Width | Depth | Weight | Included Accessories |
|-------------------|--|-----------|------------------|---------------------|--------------------|--------------------|------------------|---|
| CL110 | CAT III 600V | 3 x AAA | 1-1/8" (28.6 mm) | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) | 10.1 oz. (286 g) | Carrying Case, 41" (1041.4 mm) Test Leads and Batteries |
| CL210 | CAT III 600V | 3 x AAA | 1-1/8" (28.6 mm) | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) | 10.1 oz. (286 g) | Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries |
| CL310 | CAT III 600V | 3 x AAA | 1-1/8" (28.6 mm) | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) | 10.1 oz. (286 g) | Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries |
| CL330 NEW! | CAT III 600V, Class 2, Double insulation | 3 x AAA | 1-1/8" (28.6 mm) | 8-21/32" (219.9 mm) | 3-1/32" (77.0 mm) | 1-39/64" (40.9 mm) | 9.9 oz. (281 g) | Pouch, 41" (1041.4 mm) Test Leads, Thermocouple, and Batteries |
| CL600 | CAT IV 600V | 2 x AAA | 1-3/8" (34.9 mm) | 9-3/32" (231.0 mm) | 3-13/16" (96.8 mm) | 1-35/64" (39.3 mm) | 11.8 oz. (335 g) | Carrying Case, 41" (1041.4 mm) Test Leads and Batteries |
| CL700 | CAT IV 600V | 2 x AAA | 1-3/8" (34.9 mm) | 9-3/32" (231.0 mm) | 3-13/16" (96.8 mm) | 1-35/64" (39.3 mm) | 11.8 oz. (335 g) | Carrying Case, Test Leads, Thermocouple with Adapter, and Batteries |
| CL800 | CAT IV 600V | 2 x AAA | 1-3/8" (34.9 mm) | 9-3/32" (231.0 mm) | 3-13/16" (96.8 mm) | 1-35/64" (39.3 mm) | 12.5 oz. (354 g) | Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries |

Electrical Maintenance & Test Kit

- Cat. No. RT210 detects the most common wiring problems in standard and GFCI receptacles including open ground, reverse polarity, open hot, open neutral, and hot/ground reversed
- Cat. No. 69409 Line splitter 10x allows the measuring of current draw up to 15A without splitting the load's power cord
- Cat. No. CL110 has CAT III 600V, Class 2, Double insulation safety rating and features a backlit display for clear readings
- RT210 withstands a 6.6 ft. (2 m)
- Includes a carrying case, test leads and batteries



| Cat. No. | Kit Contains | Weight |
|----------|--------------|------------------|
| CL110KIT | | 15.1 oz. (428 g) |

| Cat. No. | Batteries | Height | Width | Depth |
|----------|-----------|---------------------|-------------------|--------------------|
| CL110 | 3 x AAA | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) |
| RT210 | N/A | 2-7/8" (73.0 mm) | 1-7/8" (47.6 mm) | 1-5/8" (41.3 mm) |
| 69409 | N/A | 4-43/64" (118.7 mm) | 2-9/32" (57.9 mm) | 1" (25.4 mm) |

For additional specifications see individual product pages (CL110 - page 207, RT210 - page 215, 69409 - page 219).



CL110KIT

⚠️ WARNINGS:

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.



Specialty Clamp Meters

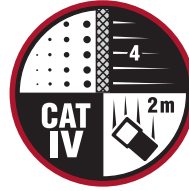
1000A AC/DC TRMS Clamp Meter (CL2500)

- Extra wide jaw opening accommodates a greater measuring area
- True RMS accurate readings for all signals
- Worklight in jaw area



200A AC Fork Meter (CL3200)

- Extra large jaw opening accepts 3/0 wire
- Short jaw depth for increased access in tight spaces
- Worklight by jaw illuminates work space



| Features | CL2500 1000A AC/DC | CL3200 200A AC Fork Meter |
|-----------------------------|-----------------------|------------------------------|
| Drop Protection | 3.3 ft. (1 m) | 3.3 ft. (1 m) |
| Ingress Protection | IP42 | IP30 |
| Safety | CAT IV 600V | CAT IV 600V |
| AC Voltage (Volts) | 750A | 750A |
| DC Voltage (Volts) | 1000V | 1000V |
| AC Current (Amps) | 1000A | 200A |
| DC Current (Amps) | 1000A | — |
| Ohms (Resistance) | 60MΩ | 40MΩ |
| True RMS | • | — |
| Audible Continuity | • | • |
| Backlight | • | • |
| Low Impedance | — | • |
| Non-Contact Voltage Testing | • | • |
| Auto Ranging | — | • |
| Range Hold | • | • |
| Data Hold | • | • |
| Diode Test | • | — |
| Capacitance Test | 6000μF | — |
| Frequency / Duty Cycle | • | — |
| Max / Min | • | — |
| Magnetic Mount | • | • |
| Worklight | • | • |
| Auto-Power Off | • | • |
| Bar Graph | • | • |
| LCD Display Count | 6000 | 4000 |

| Cat. No. | NIST certified | Safety Rating | Batteries | Jaw Size | Height | Width | Depth | Weight | Included Accessories |
|----------|----------------|---------------|-----------|------------------|-------------------|------------------|------------------|------------------|--------------------------------|
| CL2500 | — | CAT IV 600V | 2 x AAA | 1.97" (50.03 mm) | 8.09" (205.48 mm) | 2.56" (65.02 mm) | 1.38" (35.05 mm) | 13.6 oz. (386 g) | Test Leads, Case and Batteries |
| CL3200 | — | CAT IV 600V | 2 x AAA | 0.63" (16 mm) | 7.06" (179.32 mm) | 2.56" (65.02 mm) | 1.34" (34.03 mm) | 7.9 oz. (224 g) | Test Leads, Case and Batteries |

Specifications are subject to change.
See page 310 for additional information on warnings.



See warning section on page 208 for important safety information regarding clamp meters

Tough Digital Multimeters

TOUGH METER



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Alligator clips
- Thermocouple with adapter
- Batteries



- Backlit LCD display screen
 - CAT IV 600V safety rating
 - Built to withstand a 6.6' (2 m) drop
 - For use in basic and controlled electromagnetic environments like residential, office and light-industrial locations
 - Low battery indicator and easily accessible battery and fuse replacement compartment
-
- The **MM600** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, tests diodes and continuity
 - The **MM700** is an auto-ranging True Root-Mean-Squared (TRMS) digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity



| Features | MM600 | MM700 |
|------------------------|-------------------------------|-------------------------------|
| Drop Protection | 6.6 ft. (2 m) | 6.6 ft. (2 m) |
| Ingress Protection | IP42 | IP42 |
| Safety | CAT IV 600V | CAT IV 600V |
| AC Voltage (Volts) | 1000V | 1000V |
| DC Voltage (Volts) | 1000V | 1000V |
| AC Current (Amps) | 10A | 10A |
| DC Current (Amps) | 10A | 10A |
| Ohms (Resistance) | 40MΩ | 40MΩ |
| DC Millivolts | • | • |
| AC Milliamps | • | • |
| DC Milliamps | • | • |
| AC Microamps | • | • |
| DC Microamps | • | • |
| True RMS | — | • |
| Audible Continuity | • | • |
| Backlight | • | • |
| Temperature | 0° – 1000°F (-18° – 538°C) | 0° – 1500°F (-18° – 816°C) |
| Low Impedance | — | • |
| Auto Ranging | • | • |
| Range Hold | • | • |
| Data Hold | • | • |
| Diode Test | • | • |
| Capacitance Test | 1000 μF | 4000 μF |
| Frequency / Duty Cycle | 1Hz – 500 KHz | 1Hz – 500 KHz |
| Max / Min | • | • |
| Lead Warning | • | • |
| Bar Graph | — | • |
| Magnetic Mount | Available As Accessory | Available As Accessory |
| Auto-Power Off | • | • |
| Battery Test | — | — |
| LCD Display Count | 4000 | 4000 |





Digital Multimeters



Included:

- Test leads with CAT III/CAT IV safety caps
- Thermocouple with adapter (temperature-measuring models only)
- Batteries



- CAT III 600V safety rating
- Built to withstand a 3.3 ft. (1 m) drop
- For use in basic and controlled electromagnetic environments like residential, business and light-industrial locations
- Low battery indicator and easily accessible battery compartment

- The **MM300** is a manual-ranging digital multimeter that measures AC/DC voltage, DC current, and resistance. It also tests diodes and continuity, and has a battery test mode
- The **MM400** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity



| Features | MM300 Manual Ranging | MM400 Auto Ranging |
|------------------------|-------------------------|-------------------------------|
| Drop Protection | 3.3 ft. (1 m) | 3.3 ft. (1 m) |
| Ingress Protection | — | — |
| Safety | CAT III 600V | CAT III 600V |
| AC Voltage (Volts) | 600V | 600V |
| DC Voltage (Volts) | 600V | 600V |
| AC Current (Amps) | — | 10A |
| DC Current (Amps) | 10A | 10A |
| Ohms (Resistance) | 20M Ω | 40M Ω |
| DC Millivolts | • | • |
| AC Milliamps | — | • |
| DC Milliamps | • | • |
| AC Microamps | — | • |
| DC Microamps | • | • |
| True RMS | — | — |
| Audible Continuity | • | • |
| Backlight | — | • |
| Temperature | — | 0° – 1000°F (-18° – 538°C) |
| Low Impedance | — | — |
| Auto Ranging | — | • |
| Range Hold | — | • |
| Data Hold | • | • |
| Diode Test | • | • |
| Capacitance Test | — | 200 μ F |
| Frequency / Duty Cycle | — | 1Hz – 50 KHz |
| Max / Min | — | • |
| Lead Warning | — | — |
| Bar Graph | — | — |
| Magnetic Mount | Available As Accessory | Available As Accessory |
| Auto-Power Off | — | • |
| Battery Test | • | — |
| LCD Display Count | 2000 | 4000 |

Specifications are subject to change.
See page 310 for additional information on warnings.



See warning section on page 212 for important safety information regarding multimeters

Multimeters

Multimeter Specifications

| Cat. No. | Safety Rating | Batteries | Height | Width | Depth | Weight | Included Accessories |
|----------|---------------|-----------|---------------|--------------------|--------------------|------------------|---|
| MM300 | CAT III 600V | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | 8.1 oz. (230 g) | Test Leads and Batteries |
| MM400 | CAT III 600V | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | 8.1 oz. (230 g) | Test Leads, Batteries and Thermocouple |
| MM600 | CAT IV 600V | 2 x AAA | 7" (177.8 mm) | 3-35/64" (90.1 mm) | 2-3/32" (53.2 mm) | 14.4 oz. (408 g) | Carrying Case, Test Leads, Thermocouple, and Batteries |
| MM700 | CAT IV 600V | 2 x AAA | 7" (177.8 mm) | 3-35/64" (90.1 mm) | 2-3/32" (53.2 mm) | 14.4 oz. (408 g) | Carrying Case, Test Leads, Thermocouple, Batteries, and Alligator Clips |

Multimeter Replacement Fuses



| Cat. No. | For Use With | Fuse Type |
|--------------------------------------|--|------------------------|
| 69191 | MM1000, MM1300, MM2000, MM2300, MM6000 | F 11A/1000V |
| 69192 | MM1000, MM1300, MM2000, MM2300, MM6000 | F 440mA/1000V |
| 69193 | MM100 Fuse Kit | F10A/500V, F250mA/250V |
| 69194 | MM200 Fuse Kit | F10A/500V, F400mA/250V |
| New Test and Measurement Instruments | | |
| 69031 | MM300 | 5x20 200MA 600V |
| 69032 | MM300, MM400 | 6x32 10A 600V |
| 69033 | MM400 | 5x20 500MA 600V |
| 69034 | MM600, MM700 | 10x38 10A 1000V |
| 69035 | MM600, MM700 | 6x32 500MA 1000V |

Electrical Test Kit

- The MM300 multimeter was developed to withstand daily wear and tear on the job site, and has a safety rating of CAT III 600V, Class 2, Double insulation
- The NCVT-1 has a bright green LED to indicate the tester is working; it changes to red and warning tones sound when voltage is detected
- NCVT-1 has a digitally-controlled ON/OFF power button and auto power-off feature to conserve and extend battery life
- Receptacle tester detects wiring configurations and indicates correct wiring, open ground, open hot, open neutral, hot/ground reversed; it does not indicate quality of ground, multiple hot wires, or a combination of defects
- Includes visual and audible continuity indicators up to 25Ω
- Includes test leads and batteries



| Cat. No. | Set Contains | Weight | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|-----------------|------------------|--------------------|-------|-------|-------|---------|---------------|------------------|--------------------|--------|---------|--------------|------------------|------------------|-------------------|-----|-----------------|----------------|--------------|------------------|
| 69149 | <table border="1"> <thead> <tr> <th>Cat. No.</th> <th>Batteries</th> <th>Height</th> <th>Width</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>MM300</td> <td>2 x AAA</td> <td>6" (152.4 mm)</td> <td>3-1/6" (77.8 mm)</td> <td>1-25/32" (45.2 mm)</td> </tr> <tr> <td>NCVT-1</td> <td>2 x AAA</td> <td>1" (25.4 mm)</td> <td>23/32" (18.3 mm)</td> <td>23/32" (18.3 mm)</td> </tr> <tr> <td>Receptacle tester</td> <td>N/A</td> <td>2.75" (69.9 mm)</td> <td>1.5" (38.1 mm)</td> <td>1" (25.4 mm)</td> </tr> </tbody> </table> | Cat. No. | Batteries | Height | Width | Depth | MM300 | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | NCVT-1 | 2 x AAA | 1" (25.4 mm) | 23/32" (18.3 mm) | 23/32" (18.3 mm) | Receptacle tester | N/A | 2.75" (69.9 mm) | 1.5" (38.1 mm) | 1" (25.4 mm) | 15.1 oz. (428 g) |
| Cat. No. | Batteries | Height | Width | Depth | | | | | | | | | | | | | | | | | | |
| MM300 | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | | | | | | | | | | | | | | | | | | |
| NCVT-1 | 2 x AAA | 1" (25.4 mm) | 23/32" (18.3 mm) | 23/32" (18.3 mm) | | | | | | | | | | | | | | | | | | |
| Receptacle tester | N/A | 2.75" (69.9 mm) | 1.5" (38.1 mm) | 1" (25.4 mm) | | | | | | | | | | | | | | | | | | |



For additional specifications see individual product pages
(MM300 - page 211, NCVT-1 - page 214)

⚠ WARNINGS:

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

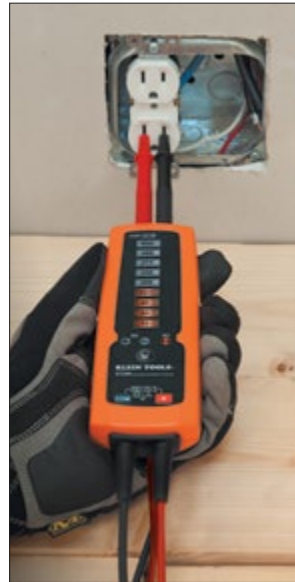
- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.



Electrical Testers

Electronic Voltage Testers

- Measures AC and DC voltage at nine common levels up to 600V
- Bright LEDs indicate voltage reading without batteries installed
- Low impedance input reduces possibility of ghost voltages
- Permanently secured test leads are always there when they are needed
- Molded lead holders are perfect for easy measurements of tamper-proof outlets
- Probe wires with wear indicators built in
- Vibration and sound alerts for dangerous voltage levels
- Modern solid-state construction provides CAT IV 600V safety rating
- Bright light illuminates work area
- Audible continuity alerts at less than 270kΩ



ET200



| Cat. No. | Safety Rating | Batteries | Height | Width | Depth | Weight |
|----------|---------------|-----------|--------------------|-------------------|-------------------|-----------------|
| ET200 | CAT IV 600V | 3 x AAA | 7-3/8" (187.32 mm) | 2-3/8" (60.32 mm) | 1-1/4" (31.75 mm) | 8.1 oz. (230 g) |

Digital Circuit Breaker Finder

- Quickly, accurately, and automatically find the corresponding circuit breaker of any standard 120V outlet
- For use on powered circuits only
- Does not require interruption of service
- Bright green arrow and loud beep provide clear indication of correct breaker
- Strong transmitter reaches distances up to 1000 ft. (305 m)
- **Optional Circuit Breaker Finder Accessory Kit** (Cat. No. 69411) refer to page 218: Find breakers of light fixtures and bare wires with light socket and alligator clip adapters



ET300



| Cat. No. | Height | Width | Depth | Weight |
|----------|--|---|---|---|
| ET300 | Receiver: 6" (152.4 mm) Transmitter: 2-51/64" (71.0 mm) | Receiver: 2" (50.8 mm) Transmitter: 1-57/64" (48.0 mm) | Receiver: 57/64" (22.6 mm) Transmitter: 1-13/64" (30.6 mm) | Receiver: 3.2 oz. (91 g) Transmitter: 1.6 oz. (45 g) |



Electrical Testers

Non-Contact Voltage Testers (NCVT-1/NCVT-2)

- Non-contact detection of standard voltage (48-1000V AC) in cables, cords, circuit breakers, lighting fixtures, switches, outlets, and wires
- High intensity, bright green LED indicates the tester is operational and aids in illuminating the workspace
- Microprocessor controlled low-battery indicator
- Digitally controlled ON/OFF power button
- Auto Power-Off feature conserves and extends battery life
- Lightweight, durable polycarbonate plastic resin construction with a convenient pocket-clip
- 9.8 ft. (3 m) drop protection
- CAT IV 1000V safety rating provides expanded operation and protection
- Does NOT detect DC voltage



NCVT-1



Additional Features for Dual Range NCVT-2

- Automatically detects and indicates low voltage (12 - 48 Volts AC) and standard voltage (48 - 1000 Volts AC), allowing broad application
- Non-contact detection of low-voltage in security, entertainment, communications, environmental control, and irrigation systems



NCVT-2



| Voltage Range | 12 - 48 VOLTS AC (Low) NCVT-2 only | 50 - 1000 VOLTS AC (Standard) |
|----------------|--|---|
| Audible | low-pitched pulsing beeping sound | high-pitched continuous beeping sound |
| Visual | blue LED turns off and red LED blinks (approximately 2x per second). | green LED turns off and red LED illuminates continuously. |

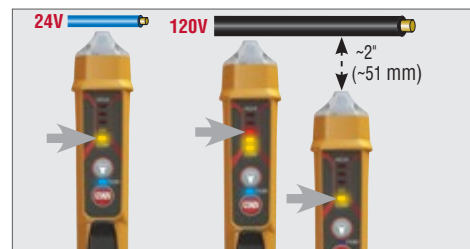
| Cat. No. | Voltage Range | Frequency Range | Pollution Degree | Batteries | Overall Length | Width | Height | Weight | Weight w/Batteries |
|----------|---------------|-----------------|------------------|-----------|-------------------|-----------------|--------------|---------------|--------------------|
| NCVT-1 | 50 - 1000V AC | 50 - 500 Hz | 2 | 2 x AAA | 5-1/2" (139.7 mm) | 23/32"(18.3 mm) | 1" (25.4 mm) | 0.8 oz (23 g) | 1.6 oz. (45 g) |
| NCVT-2 | 12 - 1000V AC | 50 - 500 Hz | 2 | 2 x AAA | 5-1/2" (139.7 mm) | 23/32"(18.3 mm) | 1" (25.4 mm) | 0.8 oz (23 g) | 1.6 oz. (45 g) |

Non-Contact Voltage Tester with Flashlight (NCVT-3)

- Non-contact detection of voltage (12 - 1000V AC) in cables, cords, circuit breakers, light fixtures, switches, outlets and wires as well as voltage in security, entertainment, communications, environmental control and irrigation systems
- The visual indicator of the presence of voltage is an LED bar graph - the higher the voltage sensed, or the closer to the voltage source, the more LEDs light up
- Bright flashlight illuminates work area and may be used independent of NCVT
- Auto Power-Off feature conserves and extends battery life
- Lightweight, compact tool with pocket clip provides easy storage and quick access
- IP67: Dustproof and waterproof
- 6.6 ft. (2 m) drop protection
- CAT IV 1000V safety rating
- Does NOT detect DC voltage



NCVT-3



| Cat. No. | Voltage Range | Frequency Range | Pollution Degree | Batteries | Overall Length | Width | Height | Weight | Weight w/Batteries |
|----------|---------------|-----------------|------------------|-----------|---------------------|-----------------|-------------------|----------------|--------------------|
| NCVT-3 | 12 - 1000V AC | 50 - 500 Hz | 2 | 2 x AAA | 5-53/64" (148.0 mm) | 23/32"(18.3 mm) | 5-7/8" (149.2 mm) | 1.2 oz. (34 g) | 2.5 oz. (71 g) |





Electrical Testers

Receptacle Testers

- Light sequence indicates correct/incorrect wiring
- Conforms to UL Std 1436, Certified to CSA Std C22.2 #160
- Operating temp: 32°F to 140°F (0°C to 40°C)
- Built to withstand a 6.6 ft. (2m) drop
- Nominal Voltage: 110/125V AC at 50/60Hz in 3-wire outlet
- Designed to detect the most common wiring problems in standard receptacles
- Cat. No. RT210 works on GFCI outlets and confirms operation of the ground fault



RT110

RT210

| Cat. No. | GFCI | Height | Width | Depth | Weight |
|----------|------|------------------|------------------|------------------|----------------|
| RT110 | No | 2-7/8" (73.0 mm) | 1-7/8" (47.6 mm) | 1-5/8" (41.3 mm) | 2.0 oz. (57 g) |
| RT210 | Yes | 2-7/8" (73.0 mm) | 1-7/8" (47.6 mm) | 1-5/8" (41.3 mm) | 2.0 oz. (57 g) |

Continuity Tester



69133

- Quickly reveals shorts or broken circuits in all types of electrical devices and controls
- Tests for continuity of circuit with power off
- Bulb in handle glows when circuit is complete (bulb included)
- Pointed 3-3/4" (95 mm) probe gets right to the problem
- Deluxe 4" (102 mm) long handle with removable nylon cap holds replaceable bulb and battery
- 36" (915 mm) test lead with alligator clip
- Uses one AAA battery (not included)
- Proudly built in U.S.A. with global components

| Cat. No. | Overall Length | Weight |
|-------------------------|-------------------------------------|------------------|
| 69133 | 43-3/4" (111.3 mm) | 0.2 oz. (5.7 g) |
| Replacement Part | | |
| 69131 | replacement bulb for Cat. No. 69133 | 0.04 oz. (1.1 g) |

Circuit Tester



69105

- Tests circuits rated from 80 to 600 volts AC/DC
- High-visibility neon lamp indicator
- High-impact, sealed 5-11/16" (144 mm) probe on long 24" (610 mm) leads for convenience in testing motors, fuses, relays, switches, etc.
- Resistor between each probe and lead

| Cat. No. | Overall Length with Probes | Weight |
|----------|----------------------------|----------------|
| 69105 | 35" (889.0 mm) | 2.4 oz. (68 g) |

Low-Voltage Tester



69127

- Device for checking live 6-24V, AC or DC circuits
- Tests for shorts in automotive and truck electrical systems, motor field coils, radio and low-voltage circuits, ground circuits of all lamps, wiring, fuses, etc.
- Bulb in handle glows when circuit is complete (bulb included)
- Pointed 3-3/4" (95 mm) probe makes checking easier
- Deluxe 3-1/2" (89 mm) long handle with nylon top holds replaceable bulb
- 36" (915 mm) test lead with alligator clip
- Proudly built in U.S.A. with global components

| Cat. No. | Overall Length | Weight |
|-------------------------|-------------------------------------|-----------------|
| 69127 | 43-1/4" (1098.6 mm) | 0.2 oz. (5.7 g) |
| Replacement Part | | |
| 69130 | replacement bulb for Cat. No. 69127 | 0.01 oz. (0.3g) |

Low-Voltage Twin-Lead Tester

- Tests 5-50 volt, AC or DC circuits and components
- Built-in lamp glows if circuit is live
- Each of the 4-1/2" (114 mm) test leads has an alligator clip on the end
- Handy pocket clip



69134

| Cat. No. | Overall Length | Weight |
|----------|----------------|------------------|
| 69134 | 8" (203.2 mm) | 0.08 oz. (2.3 g) |

See page 310 for additional information on warnings.



Specialty Testers

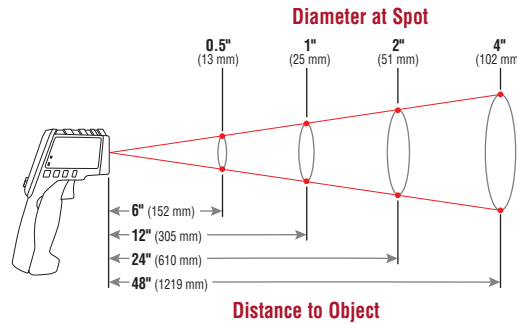
IR5 Dual Laser Infrared Thermometer

- Optical Resolution (Distance-to-spot) is 12:1
- Features include dual-laser targeting, auto-scan, max/min/avg/diff, high/low alarm, backlit display, auto power-off
- Drop protection to 6.6 ft. (2 m)
- Measurement Range: -22° to 752°F (-30° to 400°C)
- Uses one 9-volt battery, with battery life expectancy at 10 hours of continuous use with laser and backlight on
- Includes custom pouch and batteries
- Certified to IEC EN 61326-1:2006, EN608251:1994+A2:2001+A1:2002
- Adjustable emissivity
- Soft-touch, over-mold housing
- For ambient temperatures above freezing, the accuracy is +/- 4° F or +/- 2%; Accuracy below freezing is +/- 4° F plus 0.2 degrees per degree below 32° F

NEW!



IR5



CE **FC**

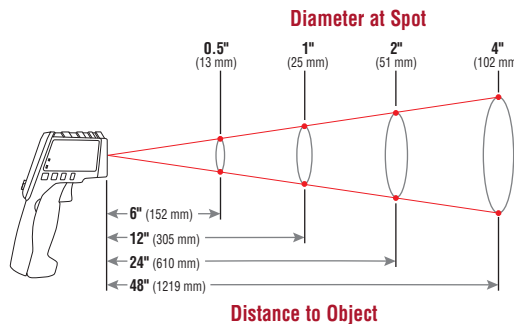
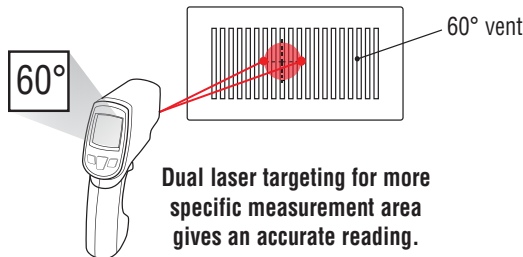
| Cat. No. | Batteries | Height | Width | Depth | Weight |
|-----------------|-----------|---------------------|--------------------|---------------------|-----------------|
| IR5 NEW! | 1 x 9V | 6-53/64" (173.4 mm) | 1-27/32" (46.9 mm) | 4-17/32" (115.1 mm) | 9.8 oz. (278 g) |

12:1 Dual Laser Infrared Thermometer

- Dual lasers for specific measurement areas
- Tight (12:1) distance-to-spot ratio for accurate target area temperature measurements
- Features a wide temperature measurement range: -76° to 1022°F (-60° to 550°C)
- K-type thermocouple range: -83.2° to 2552°F (-64° to 1400°C)
- Auto-scan and Max / Min / Average / Differential calculations
- Includes a temperature °F/°C button
- Has both a backlit display and worklight
- 6.6 ft. (2 m) drop protection
- Accessories included: case, K-type thermocouple and batteries



IR2000A



CE

| Cat. No. | Batteries | Height | Width | Thickness | Weight |
|----------|-----------|-------------------|------------------|---------------|-----------------|
| IR2000A | 2 x AAA | 6.76" (171.70 mm) | 1.87" (47.49 mm) | 1.87" (47 mm) | 9.0 oz. (255 g) |



Specialty Testers

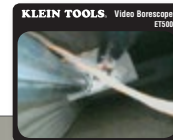
Video Borescope

- Use the Video Borescope to view inaccessible areas
- It features video, audio, photo recording, file playback, a durable camera snake with an adjustable work light, and video output capabilities
- Other features include screen rotation, adjustable LED worklight, TV-out and SD card
- IP67: Dustproof and waterproof camera
- Multiple Applications: Electrical, HVAC, Plumbing, Automotive, Aircraft. Use to view inaccessible areas: inside a wall, down the drain, in furnace or vent
- Package contents: Video Borescope, 17 mm gooseneck camera, Rechargeable lithium ion battery, Mirror camera attachment, Hook camera attachment, Magnet camera attachment, USB data & power adapter/charger, RCA composite to 3.5 mm mini A/V cable, Quick start guide, Software/Instruction manual CD-ROM, Carrying case



Multiple Applications!

- Electrical
 - HVAC
 - Plumbing
 - Automotive
 - Aircraft
- Use to view inaccessible areas:
 - Inside a wall
 - Down the drain
 - In furnace or vent



ET500



| Cat. No. | Batteries | Height | Width | Depth | Weight |
|----------|-----------|---------------|------------------|------------------|-----------------|
| ET500 | 2 x AAA | 7" (177.8 mm) | 3-1/4" (82.6 mm) | 1-3/4" (44.5 mm) | 8.1 oz. (230 g) |

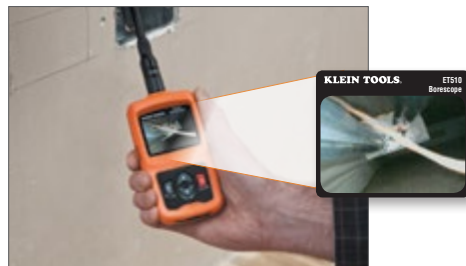
Borescope

- Use the borescope to view inaccessible areas
- It features a durable camera snake, a high resolution screen, mirror image and an adjustable LED work light
- IP67: Dustproof and waterproof camera
- Multiple Applications: Electrical, HVAC, Plumbing, Automotive, Aircraft. Use to view inaccessible areas: inside a wall, down the drain, in furnace or vent
- Package contents: Borescope, 17 mm gooseneck camera, Rechargeable lithium ion battery, Mirror camera attachment, Hook camera attachment, Magnet camera attachment, USB data adapter/charger, USB power adapter/charger, Instruction manual



Multiple Applications!

- Electrical
 - HVAC
 - Plumbing
 - Automotive
 - Aircraft
- Use to view inaccessible areas:
 - Inside a wall
 - Down the drain
 - In furnace or vent



ET510

| Cat. No. | Batteries | Height | Width | Depth | Weight |
|----------|-------------|---------------------|--------------------|--------------------|-----------------|
| ET510 | Lithium-ion | 6-17/32" (165.9 mm) | 2-27/32" (72.2 mm) | 1-35/64" (39.3 mm) | 8.1 oz. (230 g) |

See page 310 for additional information on warnings.



Test & Measurement Line Accessories

Circuit Breaker Finder Accessory Kit



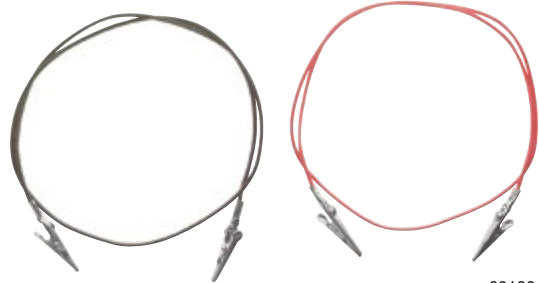
69411

- For use with ET300 Digital Circuit Breaker Finder refer to page 213
- Light socket adapter for finding the corresponding circuit of a lighting fixture
- Alligator clip adapter enables use of Digital Circuit Breaker Finder on bare wires

| Cat. No. | Weight |
|----------|----------------|
| 69411 | 2.1 oz. (60 g) |

Test Lead Set

- Each lead has alligator clips attached to both ends
- Multi-purpose tooth pattern for better gripping of wires and test points

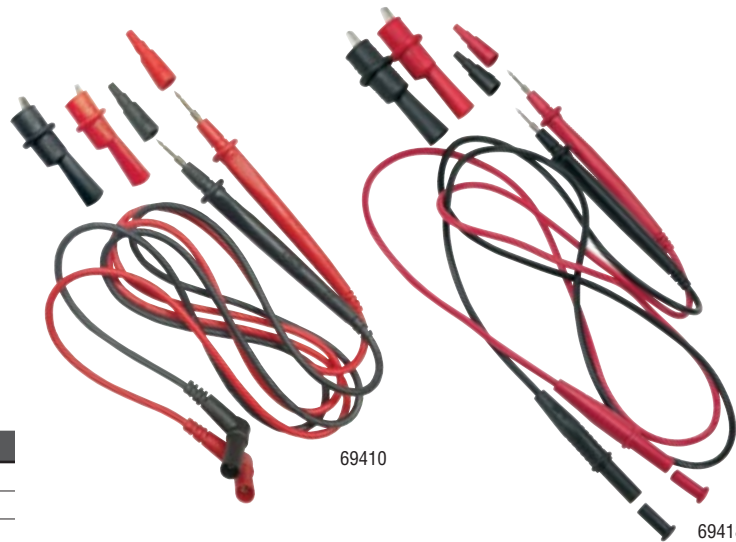


69128

| Cat. No. | Overall Length | Weight |
|----------|----------------|-------------------|
| 69128 | 32" (812.8 mm) | 6.4 oz. (181.4 g) |

Replacement Test Lead Sets

- Safety Rating: Category IV 600V and CAT III 1000V
- Screw-on alligator clips attach to wires and other conductors
- Intended for use as replacement test leads for meters that have standard, banana-type input jacks
- Leads are 41" (1,041 mm) long
- Cat. No. 69410 replacement test-lead set for MM300, MM400, MM600 and MM700
- Cat. No. 69418 replacement test-lead set for CL110, CL210, CL310, CL600, CL700 and CL800
- The leads perform accurately with Klein Tools' meters and other manufacturer's meters



69410

69418

| Cat. No. | Overall Length | Weight |
|----------|-----------------|----------------|
| 69410 | 41" (1041.4 mm) | 3.2 oz. (91 g) |
| 69418 | 41" (1041.4 mm) | 3.4 oz. (96 g) |

Replacement K-Type Thermocouples

- This UL® listed replacement thermocouple (Cat. No. 69028) is for use with Klein Tools multimeters and clamp meters as shown on list below
- Temperature measurement range is 0-250° Celsius
- Leads compatible with and fit lead storage compartments on most Klein meters



69028

69413

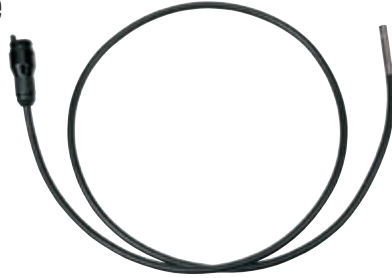
69414

| Cat. No. | Type | Multimeter | Clamp Meter | IR Gun | DTL | Weight |
|----------|----------------------------|--|--|-------------------------|----------------|-----------------|
| 69028 | K-Type Banana Thermocouple | MM200, MM400, MM600, MM700, MM1000, MM1300, MM2000, MM2300, MM6000 | CL200, CL210, CL310, CL330, CL700, CL800, CL1300, CL2300 | — | — | 0.7 oz. (20 g) |
| 69413 | K-Type Thermocouple | — | CL1100, CL2100 | IR2000, IR2000A, IR3000 | — | 0.2 oz. (5.7 g) |
| 69414 | DTL K-Type Thermocouple | — | — | — | DTL302, DTL304 | 0.2 oz. (5.7 g) |



Test & Measurement Line Accessories

6 mm Borescope Camera



- IP67: Dustproof and waterproof camera
- Bright LED worklight
- Gooseneck design for greater control and positioning
- Smaller footprint when penetrating walls and panels

| Cat. No. | Dimensions | Weight |
|----------|----------------------------|-----------------|
| 69450 | 6 mm x 1 m (0.23" x 3.28') | 3.5 oz. (99 g) |
| 69451 | 6 mm x 2 m (0.23" x 6.56') | 5.5 oz. (156 g) |

17 mm Borescope Camera



- IP67: Dustproof and waterproof camera
- Bright LED worklight
- Gooseneck design for greater control and positioning

| Cat. No. | Dimensions | Weight |
|----------|-----------------------------|-----------------|
| 69454 | 17 mm x 1 m (0.66" x 3.28') | 9.5 oz. (269 g) |

1 Meter Borescope Camera Extension



- Extends the reach of 17 mm and 6 mm borescope cameras
- Up to two extensions can be used with 17 mm camera without loss of video quality, to 9.9 ft. (3 m)
- Maximum of four extensions plus camera

| Cat. No. | Dimensions | Weight |
|----------|-----------------------------|-----------------|
| 69455 | 17 mm x 1 m (0.66" x 3.28') | 9.3 oz. (264 g) |

Borescope Attachment Tools

- Compatible with 17 mm diameter camera



| Cat. No. | Weight | Included |
|----------|------------------|---|
| 69457 | 0.4 oz. (11.0 g) | 1-5/8" (41.3 mm) Mirror Camera Attachment, 3" (76.2 mm) Hook Camera Attachment, 3-1/4" (82.6 mm) Magnet Camera Attachment |

Line Splitter 10x

- Allows the measuring of current draw up to 15A without splitting the load's power cord
- For use with all Klein Tools clamp meters and other manufacture clamp meters
- Can be used to perform voltage checks with standard multimeter probes
- Provides 10X measurement mode
- For North American-style outlets only

⚠️ WARNINGS:

- Do NOT use with loads greater than 15A.
- Risk of electric shock and burn. Contact with live circuits could result in death or serious injury.
- Do not use if line splitter appears damaged. If in doubt, replace line splitter. Do NOT use line splitter if wet. For indoors use only.

| Cat. No. | Height | Width | Depth | Weight |
|----------|---------------------|-------------------|--------------|-----------------|
| 69409 | 4-43/64" (118.7 mm) | 2-9/32" (57.9 mm) | 1" (25.4 mm) | 3.9 oz. (111 g) |



69409



Test & Measurement Line Accessories

Magnetic Hangers

- Durable nylon weave resists wear and tear
- Constructed with powerful rare earth magnets
- Has a secure loop & hook
- Hanger allows the user to safely work hands-free
- Cat. No. 69190 clips securely into back of rubber boot

| Cat. No. | Application | For Use With | Weight |
|----------|---|---|----------------|
| 69417 | Electrician's Multimeters and Select Clamps | MM300, MM400, MM600, MM700, CL600, CL700, CL800 | 1.1 oz. (31 g) |
| 69190 | Electrician's Previous Generation Multimeters | MM1000, MM1300, MM2000, MM2300 | 1.1 oz. (31 g) |



69190



69417

Tradesman Pro™ Hard Cases

- Hard shell protects tools, meters, small parts and tech devices
- Soft interior lining
- Durable zipper closure

| Cat. No. | Width | Height | Depth | Weight |
|----------|-------------------|--------------------|------------------|------------------|
| 5184 | 6-1/2" (165.1 mm) | 8-3/4" (222.3 mm) | 2-1/4" (57.2 mm) | 10.1 oz. (286 g) |
| 5189 | 5-1/2" (139.7 mm) | 10-1/4" (260.4 mm) | 2-1/4" (57.2 mm) | 10.1 oz. (286 g) |



5189



5184

Tradesman Pro™ Carrying Cases

- Two layers of padding protect even delicate instruments
- Heavy-duty zipper and rugged PVC coated polyester for durability
- Pockets for quick access and organization
- Cat. No. 69406 has loop with snap closure to attach to belts, bags and backpacks
- Cat. Nos. 69407 and 69408 have sturdy handle with box stitching for secure transportation and convenient hanging
- Cat. Nos. 69406 and 69407 recommended for meters, testers, infrared guns, and small tools
- Cat. No. 69408 recommended for meters, testers, infrared guns, tools, and borescopes

| Cat. No. | Pockets | Width | Height | Depth | Weight |
|----------|---------|-------------------|--------------------|------------------|------------------|
| 69406 | 1 | 4-1/2" (114.3 mm) | 9-1/4" (235.0 mm) | 2-1/4" (57.2 mm) | 6.1 oz. (173 g) |
| 69407 | 2 | 6" (152.4 mm) | 10-1/4" (260.4 mm) | 2-1/4" (57.2 mm) | 8.5 oz. (240 g) |
| 69408 | 2 | 7" (177.8 mm) | 10-1/4" (260.4 mm) | 2-1/4" (57.2 mm) | 10.6 oz. (299 g) |



69406

69407

69408

Carrying Case

- Constructed of black 600 Denier Nylon
- Has a heavy-duty PVC zipper and zinc alloy zipper tag
- The case has exceptional resistance to abrasions, punctures and tears
- Easily fits the following Klein Tools test and measurement meters: MM300, MM400, MM600, MM700, CL110, CL210, CL310, CL330, CL600, CL700 and CL800
- Convenient storage for other test and measurement products

| Cat. No. | Width | Height | Depth | Weight |
|----------|---------------|-------------------|------------------|----------------|
| 69401 | 4" (101.6 mm) | 9-1/4" (235.0 mm) | 2-1/4" (57.2 mm) | 3.2 oz. (91 g) |



69401



High Voltage Testers

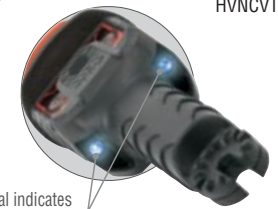
Detect a wide range of AC voltage in overhead conductors and cables

Dual-Range High Voltage Non-Contact Tester

- Use to check for the presence of voltage in overhead conductors or to find faults in cables
- LOW range for 50V AC to 1.5kV AC
- HIGH range for 1.5kV AC to 132kV AC
- Includes durable carrying case



HVNCVT-1



Visual signal indicates presence of voltage.

| Cat. No. | Voltage Range | Length | Weight |
|----------|--|----------------|------------------|
| HVNCVT-1 | Low: 50V AC - 1.5kV AC High: 1.5kV AC - 132kV AC | 13" (330.2 mm) | 10.6 oz. (299 g) |

Broad-Range Non-Contact Tester

- Use to check for the presence of voltage in overhead conductors or to find faults in cables
- 7 sensitivity ranges up to 230kV AC (240V, 4.2kV, 15kV, 25kV, 35kV, 69kV, 115kV, 230kV)
- Includes durable carrying case and universal/shotgun adapter



HVNCVT-2

Universal / Shotgun Adapter Included

| Cat. No. | Voltage Range | Length | Weight |
|----------|----------------|----------------------|--------------------|
| HVNCVT-2 | up to 230kV AC | 10-25/64" (260.4 mm) | 1.4 lbs. (0.64 kg) |

Broad-Range Contact Tester

- Contact tester indicates the presence of voltage in overhead conductors 5kV AC to 36kV AC
- Includes durable carrying case



HVCT-1

| Cat. No. | Voltage Range | Length | Weight |
|----------|---------------|------------------|---------------------|
| HVCT-1 | 5 - 36kV AC | 9.7" (246.38 mm) | 0.68 lbs. (0.31 kg) |

Fiberglass Telescoping Handle

- Used for checking voltage up to 1,000V AC
- Connects to the hot stick end of the High-Voltage Contact Tester (Cat. No. HVCT-1)
- Dielectric pole type-tested & rated for 10kV AC
- Comes in a convenient zippered case



HV-43

| Cat. No. | Voltage Range | Length | Weight |
|----------|-----------------|-----------------------------------|---------------------|
| HV-43 | up to 1,000V AC | 12.5"- 44.5" (317.5 to 1130.3 mm) | 0.73 lbs. (0.33 kg) |

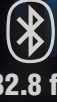
See page 310 for additional information on warnings.



NEW

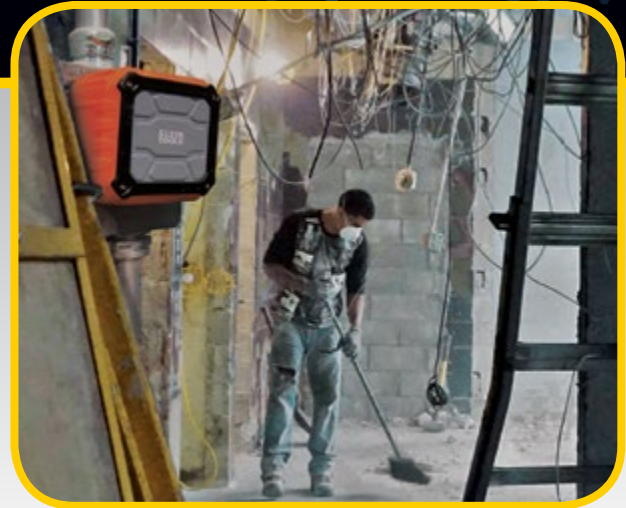
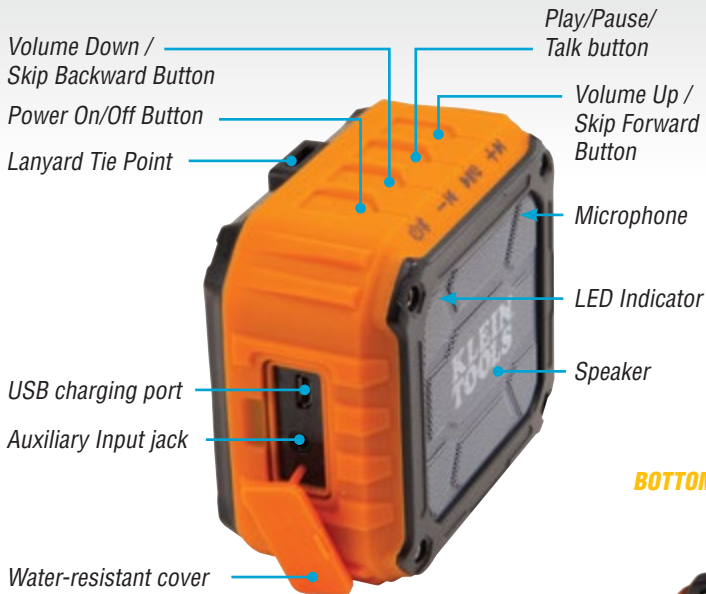
WIRELESS JOBSITE SPEAKER

iPhone / Android compatible



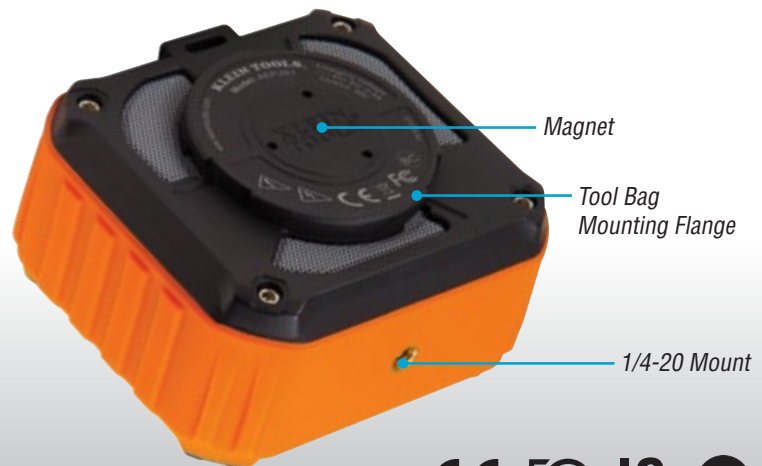
The Klein Tools **AEPJS1** is a powered speaker that provides 5 watts of high-quality sound for smart phones, tablets, computers and other audio devices via a wireless Bluetooth* connection or wired auxiliary input. It answer calls hands-free with the built-in speakerphone and can be magnetically attached to any steel surface, attached to Klein's Lighted Tool Bag (Cat. No. 55431), mounted to a standard 1/4-20 tripod, attached to a lanyard, or simply stood up on any solid, level surface.

TOP, SIDE & FRONT OF UNIT



- 10-Hour Battery Life
- 32.8 ft (10 m) Connectivity Range
- Rated IP45 Waterproof / Dustproof
- Drop Protected up to 6.6 ft (2 m)

BOTTOM & BACK OF UNIT



| Cat. No. | Dimensions | Weight |
|----------|--|----------------|
| AEPJS1 | 3.88" x 3.5" x 2.13" (98.6 x 88.9 x 54.1 mm) | 10 oz. (283 g) |

*Bluetooth is a registered trademark of Bluetooth Special Interest Group.



Test & Measurement

Crafted for optimum durability, reliability and functionality, our line of test and measurement equipment is engineered with the user in mind. Designed for, and by electricians, our electrical testers provide the latest in innovative, time-saving features that professionals require.



For Professionals...
Since 1857™

Tough Digital Clamp Meters



True RMS Measurement Technology



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Thermocouple with adapter (temperature-measuring models only)
- Batteries



- CAT IV 600V, CAT III 1000V, Class 2, Double insulation safety rating
- Built to withstand a 6.6 ft. (2 m) drop
- Meets requirements for use in basic and controlled electromagnetic environments like residential, office and light-industrial locations

- The **CL600** is an auto-ranging TRMS digital clamp meter that measures AC current via the clamp, and measures AC/DC voltage, resistance, continuity, and tests diodes via test leads
- The **CL700** is an auto-ranging TRMS digital clamp meter that measures AC current via the clamp, and measures AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe. It also features a Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages
- The **CL800** is an auto-ranging TRMS digital clamp meter that measures AC/DC current via the clamp, and measures AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe. It also features a Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages

| Features | CL600 | CL700 | CL800 |
|-----------------------------|------------------------|---------------------------------|---------------------------------|
| Drop Protection | 6.6 ft. (2 m) | 6.6 ft. (2 m) | 6.6 ft. (2 m) |
| Ingress Protection | IP40 | IP40 | IP40 |
| Safety | CAT IV 600V | CAT IV 600V | CAT IV 600V |
| AC Voltage (Volts) | 1000V | 1000V | 1000V |
| DC Voltage (Volts) | 1000V | 1000V | 1000V |
| AC Current (Amps) | 600A | 600A | 600A |
| DC Current (Amps) | — | — | 600A |
| Ohms (Resistance) | 60MΩ | 60MΩ | 60MΩ |
| AC Millivolts | — | — | — |
| DC Millivolts | • | • | • |
| True RMS | • | • | • |
| Audible Continuity | • | • | • |
| Backlight | • | • | • |
| Temperature | — | -14° – 1000°F (-26° – 538°C) | -14° – 1000°F (-26° – 538°C) |
| Low Impedance | — | • | • |
| Non-Contact Voltage Testing | • | • | • |
| Auto Ranging | • | • | • |
| Range Hold | • | • | • |
| Data Hold | • | • | • |
| Diode Test | • | • | • |
| Capacitance Test | — | 6000 μF | 6000 μF |
| Frequency / Duty Cycle | — | 1Hz – 500 KHz | 1Hz – 500 KHz |
| Max / Min | • | • | • |
| Magnetic Mount | Available As Accessory | Available As Accessory | Available As Accessory |
| Worklight | — | — | • |
| Auto-Power Off | • | • | • |
| LCD Display Count | 6000 | 6000 | 6000 |



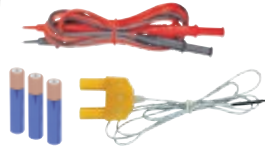


Digital Clamp Meters



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Thermocouple (temperature-measuring models only)
- Batteries



- CAT III 600V, Class 2, Double insulation safety rating
- Backlit display for clear readings
- Low battery indicator and easily accessible battery compartment
- Meets requirements for use in basic and controlled electromagnetic environments like residential, office and light-industrial locations
- Built to withstand a 3.3 ft. (1 m) drop

- The **CL110** is an auto-ranging digital clamp meter that measures AC current via the clamp, and AC/DC voltage, resistance and continuity via test leads
- The **CL210** is an auto-ranging digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance and continuity via test leads, and temperature via a thermocouple probe
- The **CL310** is an auto-ranging True Root-Mean-Squared (TRMS) digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test leads, and temperature via a thermocouple probe



NEW
High-Visibility
Display

- The **CL330** is an auto-ranging True Root-Mean-Squared (TRMS) digital clamp meter that measures AC current via the clamp, AC/DC voltage, resistance, continuity, frequency, capacitance, and tests diodes via test-leads, and temperature via a thermocouple probe. It features a super bright high visibility dual-line OLED display screen that optimizes viewability in dark or bright environments and when viewed at indirect angles



| Features | CL110 | CL210 | CL310 | CL330 |
|-----------------------------|---------------|----------------------------------|----------------------------------|----------------------------------|
| Drop Protection | 3.3 ft. (1 m) | 3.3 ft. (1 m) | 3.3 ft. (1 m) | 3.3 ft. (1 m) |
| Ingress Protection | — | — | — | — |
| Safety | CAT III 600V | CAT III 600V | CAT III 600V | CAT III 600V |
| AC Voltage (Volts) | 600V | 600V | 600V | 600V |
| DC Voltage (Volts) | 600V | 600V | 600V | 600V |
| AC Current (Amps) | 400A | 400A | 400A | 400A |
| DC Current (Amps) | — | — | — | — |
| Ohms (Resistance) | 20MΩ | 20MΩ | 40MΩ | 40MΩ |
| AC Millivolts | • | • | — | — |
| DC Millivolts | • | • | • | • |
| True RMS | — | — | • | • |
| Audible Continuity | • | • | • | • |
| Backlight | • | • | • | • |
| Temperature | — | -40° - 1832°F (-40° - 1000°C) | -40° - 1832°F (-40° - 1000°C) | -40° - 1832°F (-40° - 1000°C) |
| Low Impedance | — | — | — | — |
| Non-Contact Voltage Testing | — | — | — | — |
| Auto Ranging | • | • | • | • |
| Range Hold | • | • | • | • |
| Data Hold | • | • | • | • |
| Diode Test | — | — | • | • |
| Capacitance Test | — | — | 4000 μF | 4000 μF |
| Frequency / Duty Cycle | — | — | 10Hz - 1MHz | 10Hz - 1MHz |
| Max / Min | MAX only | MAX only | • | • |
| Magnetic Mount | — | — | — | — |
| Worklight | — | — | — | — |
| Auto-Power Off | • | • | • | • |
| LCD Display Count | 2000 | 2000 | 4000 | — |
| OLED Display Count | — | — | — | 4000 |
| Bar Graph | — | — | — | • |

Specifications are subject to change.
See page 310 for additional information on warnings.



See warning section on page 208 for important safety information regarding clamp meters

Clamp Meters

Clamp Meter Specifications

| Cat. No. | Safety Rating | Batteries | Jaw Size | Height | Width | Depth | Weight | Included Accessories |
|-------------------|--|-----------|------------------|---------------------|--------------------|--------------------|------------------|---|
| CL110 | CAT III 600V | 3 x AAA | 1-1/8" (28.6 mm) | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) | 10.1 oz. (286 g) | Carrying Case, 41" (1041.4 mm) Test Leads and Batteries |
| CL210 | CAT III 600V | 3 x AAA | 1-1/8" (28.6 mm) | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) | 10.1 oz. (286 g) | Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries |
| CL310 | CAT III 600V | 3 x AAA | 1-1/8" (28.6 mm) | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) | 10.1 oz. (286 g) | Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries |
| CL330 NEW! | CAT III 600V, Class 2, Double insulation | 3 x AAA | 1-1/8" (28.6 mm) | 8-21/32" (219.9 mm) | 3-1/32" (77.0 mm) | 1-39/64" (40.9 mm) | 9.9 oz. (281 g) | Pouch, 41" (1041.4 mm) Test Leads, Thermocouple, and Batteries |
| CL600 | CAT IV 600V | 2 x AAA | 1-3/8" (34.9 mm) | 9-3/32" (231.0 mm) | 3-13/16" (96.8 mm) | 1-35/64" (39.3 mm) | 11.8 oz. (335 g) | Carrying Case, 41" (1041.4 mm) Test Leads and Batteries |
| CL700 | CAT IV 600V | 2 x AAA | 1-3/8" (34.9 mm) | 9-3/32" (231.0 mm) | 3-13/16" (96.8 mm) | 1-35/64" (39.3 mm) | 11.8 oz. (335 g) | Carrying Case, Test Leads, Thermocouple with Adapter, and Batteries |
| CL800 | CAT IV 600V | 2 x AAA | 1-3/8" (34.9 mm) | 9-3/32" (231.0 mm) | 3-13/16" (96.8 mm) | 1-35/64" (39.3 mm) | 12.5 oz. (354 g) | Carrying Case, 41" (1041.4 mm) Test Leads, Thermocouple with Adapter, and Batteries |

Electrical Maintenance & Test Kit

- Cat. No. RT210 detects the most common wiring problems in standard and GFCI receptacles including open ground, reverse polarity, open hot, open neutral, and hot/ground reversed
- Cat. No. 69409 Line splitter 10x allows the measuring of current draw up to 15A without splitting the load's power cord
- Cat. No. CL110 has CAT III 600V, Class 2, Double insulation safety rating and features a backlit display for clear readings
- RT210 withstands a 6.6 ft. (2 m)
- Includes a carrying case, test leads and batteries



| Cat. No. | Kit Contains | Weight |
|----------|--------------|------------------|
| CL110KIT | | 15.1 oz. (428 g) |

| Cat. No. | Batteries | Height | Width | Depth |
|----------|-----------|---------------------|-------------------|--------------------|
| CL110 | 3 x AAA | 8-45/64" (221.1 mm) | 3-1/64" (76.6 mm) | 1-39/64" (40.9 mm) |
| RT210 | N/A | 2-7/8" (73.0 mm) | 1-7/8" (47.6 mm) | 1-5/8" (41.3 mm) |
| 69409 | N/A | 4-43/64" (118.7 mm) | 2-9/32" (57.9 mm) | 1" (25.4 mm) |

For additional specifications see individual product pages (CL110 - page 207, RT210 - page 215, 69409 - page 219).



CL110KIT

⚠️ WARNINGS:

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.



Specialty Clamp Meters

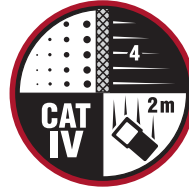
1000A AC/DC TRMS Clamp Meter (CL2500)

- Extra wide jaw opening accommodates a greater measuring area
- True RMS accurate readings for all signals
- Worklight in jaw area



200A AC Fork Meter (CL3200)

- Extra large jaw opening accepts 3/0 wire
- Short jaw depth for increased access in tight spaces
- Worklight by jaw illuminates work space



| Features | CL2500 1000A AC/DC | CL3200 200A AC Fork Meter |
|-----------------------------|-----------------------|------------------------------|
| Drop Protection | 3.3 ft. (1 m) | 3.3 ft. (1 m) |
| Ingress Protection | IP42 | IP30 |
| Safety | CAT IV 600V | CAT IV 600V |
| AC Voltage (Volts) | 750A | 750A |
| DC Voltage (Volts) | 1000V | 1000V |
| AC Current (Amps) | 1000A | 200A |
| DC Current (Amps) | 1000A | — |
| Ohms (Resistance) | 60MΩ | 40MΩ |
| True RMS | • | — |
| Audible Continuity | • | • |
| Backlight | • | • |
| Low Impedance | — | • |
| Non-Contact Voltage Testing | • | • |
| Auto Ranging | — | • |
| Range Hold | • | • |
| Data Hold | • | • |
| Diode Test | • | — |
| Capacitance Test | 6000μF | — |
| Frequency / Duty Cycle | • | — |
| Max / Min | • | — |
| Magnetic Mount | • | • |
| Worklight | • | • |
| Auto-Power Off | • | • |
| Bar Graph | • | • |
| LCD Display Count | 6000 | 4000 |

| Cat. No. | NIST certified | Safety Rating | Batteries | Jaw Size | Height | Width | Depth | Weight | Included Accessories |
|----------|----------------|---------------|-----------|------------------|-------------------|------------------|------------------|------------------|--------------------------------|
| CL2500 | — | CAT IV 600V | 2 x AAA | 1.97" (50.03 mm) | 8.09" (205.48 mm) | 2.56" (65.02 mm) | 1.38" (35.05 mm) | 13.6 oz. (386 g) | Test Leads, Case and Batteries |
| CL3200 | — | CAT IV 600V | 2 x AAA | 0.63" (16 mm) | 7.06" (179.32 mm) | 2.56" (65.02 mm) | 1.34" (34.03 mm) | 7.9 oz. (224 g) | Test Leads, Case and Batteries |

Specifications are subject to change.
See page 310 for additional information on warnings.



See warning section on page 208 for important safety information regarding clamp meters

Tough Digital Multimeters

TOUGH METER



Included:

- Carrying case
- Test leads with CAT III/CAT IV safety caps
- Alligator clips
- Thermocouple with adapter
- Batteries



- Backlit LCD display screen
- CAT IV 600V safety rating
- Built to withstand a 6.6' (2 m) drop
- For use in basic and controlled electromagnetic environments like residential, office and light-industrial locations
- Low battery indicator and easily accessible battery and fuse replacement compartment

- The **MM600** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, tests diodes and continuity
- The **MM700** is an auto-ranging True Root-Mean-Squared (TRMS) digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity



| Features | MM600 | MM700 |
|------------------------|-------------------------------|-------------------------------|
| Drop Protection | 6.6 ft. (2 m) | 6.6 ft. (2 m) |
| Ingress Protection | IP42 | IP42 |
| Safety | CAT IV 600V | CAT IV 600V |
| AC Voltage (Volts) | 1000V | 1000V |
| DC Voltage (Volts) | 1000V | 1000V |
| AC Current (Amps) | 10A | 10A |
| DC Current (Amps) | 10A | 10A |
| Ohms (Resistance) | 40MΩ | 40MΩ |
| DC Millivolts | • | • |
| AC Milliamps | • | • |
| DC Milliamps | • | • |
| AC Microamps | • | • |
| DC Microamps | • | • |
| True RMS | — | • |
| Audible Continuity | • | • |
| Backlight | • | • |
| Temperature | 0° – 1000°F (-18° – 538°C) | 0° – 1500°F (-18° – 816°C) |
| Low Impedance | — | • |
| Auto Ranging | • | • |
| Range Hold | • | • |
| Data Hold | • | • |
| Diode Test | • | • |
| Capacitance Test | 1000 μF | 4000 μF |
| Frequency / Duty Cycle | 1Hz – 500 KHz | 1Hz – 500 KHz |
| Max / Min | • | • |
| Lead Warning | • | • |
| Bar Graph | — | • |
| Magnetic Mount | Available As Accessory | Available As Accessory |
| Auto-Power Off | • | • |
| Battery Test | — | — |
| LCD Display Count | 4000 | 4000 |





Digital Multimeters



Included:

- Test leads with CAT III/CAT IV safety caps
- Thermocouple with adapter (temperature-measuring models only)
- Batteries



- CAT III 600V safety rating
- Built to withstand a 3.3 ft. (1 m) drop
- For use in basic and controlled electromagnetic environments like residential, business and light-industrial locations
- Low battery indicator and easily accessible battery compartment

- The **MM300** is a manual-ranging digital multimeter that measures AC/DC voltage, DC current, and resistance. It also tests diodes and continuity, and has a battery test mode
- The **MM400** is an auto-ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It also measures temperature, capacitance, frequency, duty-cycle, and tests diodes and continuity



| Features | MM300 Manual Ranging | MM400 Auto Ranging |
|------------------------|-------------------------|-------------------------------|
| Drop Protection | 3.3 ft. (1 m) | 3.3 ft. (1 m) |
| Ingress Protection | — | — |
| Safety | CAT III 600V | CAT III 600V |
| AC Voltage (Volts) | 600V | 600V |
| DC Voltage (Volts) | 600V | 600V |
| AC Current (Amps) | — | 10A |
| DC Current (Amps) | 10A | 10A |
| Ohms (Resistance) | 20MΩ | 40MΩ |
| DC Millivolts | • | • |
| AC Milliamps | — | • |
| DC Milliamps | • | • |
| AC Microamps | — | • |
| DC Microamps | • | • |
| True RMS | — | — |
| Audible Continuity | • | • |
| Backlight | — | • |
| Temperature | — | 0° – 1000°F (-18° – 538°C) |
| Low Impedance | — | — |
| Auto Ranging | — | • |
| Range Hold | — | • |
| Data Hold | • | • |
| Diode Test | • | • |
| Capacitance Test | — | 200 μF |
| Frequency / Duty Cycle | — | 1Hz – 50 KHz |
| Max / Min | — | • |
| Lead Warning | — | — |
| Bar Graph | — | — |
| Magnetic Mount | Available As Accessory | Available As Accessory |
| Auto-Power Off | — | • |
| Battery Test | • | — |
| LCD Display Count | 2000 | 4000 |

Specifications are subject to change.
See page 310 for additional information on warnings.



See warning section on page 212 for important safety information regarding multimeters

Multimeters

Multimeter Specifications

| Cat. No. | Safety Rating | Batteries | Height | Width | Depth | Weight | Included Accessories |
|----------|---------------|-----------|---------------|--------------------|--------------------|------------------|---|
| MM300 | CAT III 600V | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | 8.1 oz. (230 g) | Test Leads and Batteries |
| MM400 | CAT III 600V | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | 8.1 oz. (230 g) | Test Leads, Batteries and Thermocouple |
| MM600 | CAT IV 600V | 2 x AAA | 7" (177.8 mm) | 3-35/64" (90.1 mm) | 2-3/32" (53.2 mm) | 14.4 oz. (408 g) | Carrying Case, Test Leads, Thermocouple, and Batteries |
| MM700 | CAT IV 600V | 2 x AAA | 7" (177.8 mm) | 3-35/64" (90.1 mm) | 2-3/32" (53.2 mm) | 14.4 oz. (408 g) | Carrying Case, Test Leads, Thermocouple, Batteries, and Alligator Clips |

Multimeter Replacement Fuses



| Cat. No. | For Use With | Fuse Type |
|--------------------------------------|--|------------------------|
| 69191 | MM1000, MM1300, MM2000, MM2300, MM6000 | F 11A/1000V |
| 69192 | MM1000, MM1300, MM2000, MM2300, MM6000 | F 440mA/1000V |
| 69193 | MM100 Fuse Kit | F10A/500V, F250mA/250V |
| 69194 | MM200 Fuse Kit | F10A/500V, F400mA/250V |
| New Test and Measurement Instruments | | |
| 69031 | MM300 | 5x20 200MA 600V |
| 69032 | MM300, MM400 | 6x32 10A 600V |
| 69033 | MM400 | 5x20 500MA 600V |
| 69034 | MM600, MM700 | 10x38 10A 1000V |
| 69035 | MM600, MM700 | 6x32 500MA 1000V |

Electrical Test Kit

- The MM300 multimeter was developed to withstand daily wear and tear on the job site, and has a safety rating of CAT III 600V, Class 2, Double insulation
- The NCVT-1 has a bright green LED to indicate the tester is working; it changes to red and warning tones sound when voltage is detected
- NCVT-1 has a digitally-controlled ON/OFF power button and auto power-off feature to conserve and extend battery life
- Receptacle tester detects wiring configurations and indicates correct wiring, open ground, open hot, open neutral, hot/ground reversed; it does not indicate quality of ground, multiple hot wires, or a combination of defects
- Includes visual and audible continuity indicators up to 25Ω
- Includes test leads and batteries



| Cat. No. | Set Contains | Weight | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|-----------------|------------------|--------------------|-------|-------|-------|---------|---------------|------------------|--------------------|--------|---------|--------------|------------------|------------------|-------------------|-----|-----------------|----------------|--------------|------------------|
| 69149 | <table border="1"> <thead> <tr> <th>Cat. No.</th> <th>Batteries</th> <th>Height</th> <th>Width</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>MM300</td> <td>2 x AAA</td> <td>6" (152.4 mm)</td> <td>3-1/6" (77.8 mm)</td> <td>1-25/32" (45.2 mm)</td> </tr> <tr> <td>NCVT-1</td> <td>2 x AAA</td> <td>1" (25.4 mm)</td> <td>23/32" (18.3 mm)</td> <td>23/32" (18.3 mm)</td> </tr> <tr> <td>Receptacle tester</td> <td>N/A</td> <td>2.75" (69.9 mm)</td> <td>1.5" (38.1 mm)</td> <td>1" (25.4 mm)</td> </tr> </tbody> </table> | Cat. No. | Batteries | Height | Width | Depth | MM300 | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | NCVT-1 | 2 x AAA | 1" (25.4 mm) | 23/32" (18.3 mm) | 23/32" (18.3 mm) | Receptacle tester | N/A | 2.75" (69.9 mm) | 1.5" (38.1 mm) | 1" (25.4 mm) | 15.1 oz. (428 g) |
| Cat. No. | Batteries | Height | Width | Depth | | | | | | | | | | | | | | | | | | |
| MM300 | 2 x AAA | 6" (152.4 mm) | 3-1/6" (77.8 mm) | 1-25/32" (45.2 mm) | | | | | | | | | | | | | | | | | | |
| NCVT-1 | 2 x AAA | 1" (25.4 mm) | 23/32" (18.3 mm) | 23/32" (18.3 mm) | | | | | | | | | | | | | | | | | | |
| Receptacle tester | N/A | 2.75" (69.9 mm) | 1.5" (38.1 mm) | 1" (25.4 mm) | | | | | | | | | | | | | | | | | | |



For additional specifications see individual product pages
(MM300 - page 211, NCVT-1 - page 214)

⚠ WARNINGS:

To ensure safe operation and service of the tester, follow these instructions. Failure to observe these warnings can result in severe injury or death.

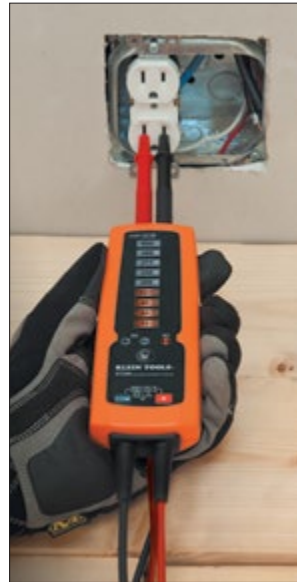
- Before each use, verify meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Use caution when working with voltages above 60V DC, or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electrical shock, replace batteries if a low battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injury where hazardous live conductors are exposed.



Electrical Testers

Electronic Voltage Testers

- Measures AC and DC voltage at nine common levels up to 600V
- Bright LEDs indicate voltage reading without batteries installed
- Low impedance input reduces possibility of ghost voltages
- Permanently secured test leads are always there when they are needed
- Molded lead holders are perfect for easy measurements of tamper-proof outlets
- Probe wires with wear indicators built in
- Vibration and sound alerts for dangerous voltage levels
- Modern solid-state construction provides CAT IV 600V safety rating
- Bright light illuminates work area
- Audible continuity alerts at less than 270kΩ



ET200



| Cat. No. | Safety Rating | Batteries | Height | Width | Depth | Weight |
|----------|---------------|-----------|--------------------|-------------------|-------------------|-----------------|
| ET200 | CAT IV 600V | 3 x AAA | 7-3/8" (187.32 mm) | 2-3/8" (60.32 mm) | 1-1/4" (31.75 mm) | 8.1 oz. (230 g) |

Digital Circuit Breaker Finder

- Quickly, accurately, and automatically find the corresponding circuit breaker of any standard 120V outlet
- For use on powered circuits only
- Does not require interruption of service
- Bright green arrow and loud beep provide clear indication of correct breaker
- Strong transmitter reaches distances up to 1000 ft. (305 m)
- **Optional Circuit Breaker Finder Accessory Kit** (Cat. No. 69411) refer to page 218: Find breakers of light fixtures and bare wires with light socket and alligator clip adapters



ET300



| Cat. No. | Height | Width | Depth | Weight |
|----------|--|---|---|---|
| ET300 | Receiver: 6" (152.4 mm) Transmitter: 2-51/64" (71.0 mm) | Receiver: 2" (50.8 mm) Transmitter: 1-57/64" (48.0 mm) | Receiver: 57/64" (22.6 mm) Transmitter: 1-13/64" (30.6 mm) | Receiver: 3.2 oz. (91 g) Transmitter: 1.6 oz. (45 g) |



Electrical Testers

Non-Contact Voltage Testers (NCVT-1/NCVT-2)

- Non-contact detection of standard voltage (48-1000V AC) in cables, cords, circuit breakers, lighting fixtures, switches, outlets, and wires
- High intensity, bright green LED indicates the tester is operational and aids in illuminating the workspace
- Microprocessor controlled low-battery indicator
- Digitally controlled ON/OFF power button
- Auto Power-Off feature conserves and extends battery life
- Lightweight, durable polycarbonate plastic resin construction with a convenient pocket-clip
- 9.8 ft. (3 m) drop protection
- CAT IV 1000V safety rating provides expanded operation and protection
- Does NOT detect DC voltage



NCVT-1



NCVT-2

Additional Features for Dual Range NCVT-2

- Automatically detects and indicates low voltage (12 - 48 Volts AC) and standard voltage (48 - 1000 Volts AC), allowing broad application
- Non-contact detection of low-voltage in security, entertainment, communications, environmental control, and irrigation systems

| Voltage Range | 12 - 48 VOLTS AC (Low) NCVT-2 only | 50 - 1000 VOLTS AC (Standard) |
|----------------|--|---|
| Audible | low-pitched pulsing beeping sound | high-pitched continuous beeping sound |
| Visual | blue LED turns off and red LED blinks (approximately 2x per second). | green LED turns off and red LED illuminates continuously. |



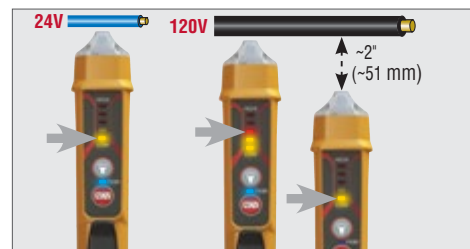
| Cat. No. | Voltage Range | Frequency Range | Pollution Degree | Batteries | Overall Length | Width | Height | Weight | Weight w/Batteries |
|----------|---------------|-----------------|------------------|-----------|-------------------|-----------------|--------------|---------------|--------------------|
| NCVT-1 | 50 - 1000V AC | 50 - 500 Hz | 2 | 2 x AAA | 5-1/2" (139.7 mm) | 23/32"(18.3 mm) | 1" (25.4 mm) | 0.8 oz (23 g) | 1.6 oz. (45 g) |
| NCVT-2 | 12 - 1000V AC | 50 - 500 Hz | 2 | 2 x AAA | 5-1/2" (139.7 mm) | 23/32"(18.3 mm) | 1" (25.4 mm) | 0.8 oz (23 g) | 1.6 oz. (45 g) |

Non-Contact Voltage Tester with Flashlight (NCVT-3)

- Non-contact detection of voltage (12 - 1000V AC) in cables, cords, circuit breakers, light fixtures, switches, outlets and wires as well as voltage in security, entertainment, communications, environmental control and irrigation systems
- The visual indicator of the presence of voltage is an LED bar graph - the higher the voltage sensed, or the closer to the voltage source, the more LEDs light up
- Bright flashlight illuminates work area and may be used independent of NCVT
- Auto Power-Off feature conserves and extends battery life
- Lightweight, compact tool with pocket clip provides easy storage and quick access
- IP67: Dustproof and waterproof
- 6.6 ft. (2 m) drop protection
- CAT IV 1000V safety rating
- Does NOT detect DC voltage



NCVT-3



| Cat. No. | Voltage Range | Frequency Range | Pollution Degree | Batteries | Overall Length | Width | Height | Weight | Weight w/Batteries |
|----------|---------------|-----------------|------------------|-----------|---------------------|-----------------|-------------------|----------------|--------------------|
| NCVT-3 | 12 - 1000V AC | 50 - 500 Hz | 2 | 2 x AAA | 5-53/64" (148.0 mm) | 23/32"(18.3 mm) | 5-7/8" (149.2 mm) | 1.2 oz. (34 g) | 2.5 oz. (71 g) |





Electrical Testers

Receptacle Testers

- Light sequence indicates correct/incorrect wiring
- Conforms to UL Std 1436, Certified to CSA Std C22.2 #160
- Operating temp: 32°F to 140°F (0°C to 40°C)
- Built to withstand a 6.6 ft. (2m) drop
- Nominal Voltage: 110/125V AC at 50/60Hz in 3-wire outlet
- Designed to detect the most common wiring problems in standard receptacles
- Cat. No. RT210 works on GFCI outlets and confirms operation of the ground fault



RT110

RT210

| Cat. No. | GFCI | Height | Width | Depth | Weight |
|----------|------|------------------|------------------|------------------|----------------|
| RT110 | No | 2-7/8" (73.0 mm) | 1-7/8" (47.6 mm) | 1-5/8" (41.3 mm) | 2.0 oz. (57 g) |
| RT210 | Yes | 2-7/8" (73.0 mm) | 1-7/8" (47.6 mm) | 1-5/8" (41.3 mm) | 2.0 oz. (57 g) |

Continuity Tester



69133

- Quickly reveals shorts or broken circuits in all types of electrical devices and controls
- Tests for continuity of circuit with power off
- Bulb in handle glows when circuit is complete (bulb included)
- Pointed 3-3/4" (95 mm) probe gets right to the problem
- Deluxe 4" (102 mm) long handle with removable nylon cap holds replaceable bulb and battery
- 36" (915 mm) test lead with alligator clip
- Uses one AAA battery (not included)
- Proudly built in U.S.A. with global components

| Cat. No. | Overall Length | Weight |
|-------------------------|-------------------------------------|------------------|
| 69133 | 43-3/4" (111.3 mm) | 0.2 oz. (5.7 g) |
| Replacement Part | | |
| 69131 | replacement bulb for Cat. No. 69133 | 0.04 oz. (1.1 g) |

Circuit Tester



69105

- Tests circuits rated from 80 to 600 volts AC/DC
- High-visibility neon lamp indicator
- High-impact, sealed 5-11/16" (144 mm) probe on long 24" (610 mm) leads for convenience in testing motors, fuses, relays, switches, etc.
- Resistor between each probe and lead

| Cat. No. | Overall Length with Probes | Weight |
|----------|----------------------------|----------------|
| 69105 | 35" (889.0 mm) | 2.4 oz. (68 g) |

Low-Voltage Tester



69127

- Device for checking live 6-24V, AC or DC circuits
- Tests for shorts in automotive and truck electrical systems, motor field coils, radio and low-voltage circuits, ground circuits of all lamps, wiring, fuses, etc.
- Bulb in handle glows when circuit is complete (bulb included)
- Pointed 3-3/4" (95 mm) probe makes checking easier
- Deluxe 3-1/2" (89 mm) long handle with nylon top holds replaceable bulb
- 36" (915 mm) test lead with alligator clip
- Proudly built in U.S.A. with global components

| Cat. No. | Overall Length | Weight |
|-------------------------|-------------------------------------|-----------------|
| 69127 | 43-1/4" (1098.6 mm) | 0.2 oz. (5.7 g) |
| Replacement Part | | |
| 69130 | replacement bulb for Cat. No. 69127 | 0.01 oz. (0.3g) |

Low-Voltage Twin-Lead Tester

- Tests 5-50 volt, AC or DC circuits and components
- Built-in lamp glows if circuit is live
- Each of the 4-1/2" (114 mm) test leads has an alligator clip on the end
- Handy pocket clip



69134

| Cat. No. | Overall Length | Weight |
|----------|----------------|------------------|
| 69134 | 8" (203.2 mm) | 0.08 oz. (2.3 g) |



Specialty Testers

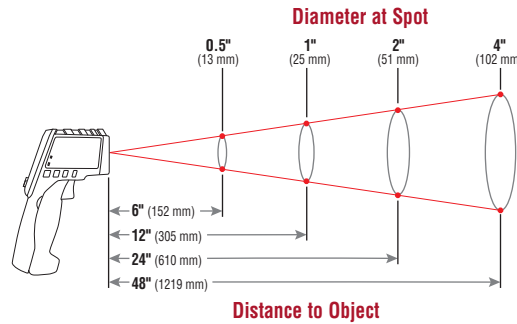
IR5 Dual Laser Infrared Thermometer

- Optical Resolution (Distance-to-spot) is 12:1
- Features include dual-laser targeting, auto-scan, max/min/avg/diff, high/low alarm, backlit display, auto power-off
- Drop protection to 6.6 ft. (2 m)
- Measurement Range: -22° to 752°F (-30° to 400°C)
- Uses one 9-volt battery, with battery life expectancy at 10 hours of continuous use with laser and backlight on
- Includes custom pouch and batteries
- Certified to IEC EN 61326-1:2006, EN608251:1994+A2:2001+A1:2002
- Adjustable emissivity
- Soft-touch, over-mold housing
- For ambient temperatures above freezing, the accuracy is +/- 4° F or +/- 2%; Accuracy below freezing is +/- 4° F plus 0.2 degrees per degree below 32° F

NEW!



IR5



CE FC

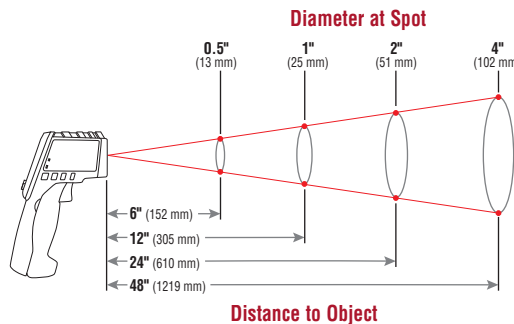
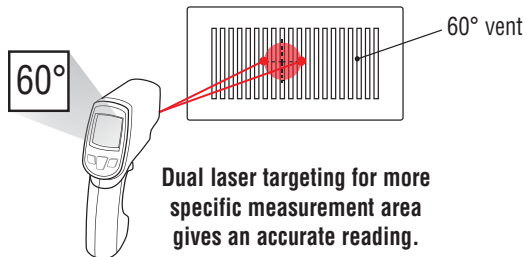
| Cat. No. | Batteries | Height | Width | Depth | Weight |
|-----------------|-----------|---------------------|--------------------|---------------------|-----------------|
| IR5 NEW! | 1 x 9V | 6-53/64" (173.4 mm) | 1-27/32" (46.9 mm) | 4-17/32" (115.1 mm) | 9.8 oz. (278 g) |

12:1 Dual Laser Infrared Thermometer

- Dual lasers for specific measurement areas
- Tight (12:1) distance-to-spot ratio for accurate target area temperature measurements
- Features a wide temperature measurement range: -76° to 1022°F (-60° to 550°C)
- K-type thermocouple range: -83.2° to 2552°F (-64° to 1400°C)
- Auto-scan and Max / Min / Average / Differential calculations
- Includes a temperature °F/°C button
- Has both a backlit display and worklight
- 6.6 ft. (2 m) drop protection
- Accessories included: case, K-type thermocouple and batteries



IR2000A



CE

| Cat. No. | Batteries | Height | Width | Thickness | Weight |
|----------|-----------|-------------------|------------------|---------------|-----------------|
| IR2000A | 2 x AAA | 6.76" (171.70 mm) | 1.87" (47.49 mm) | 1.87" (47 mm) | 9.0 oz. (255 g) |



Specialty Testers

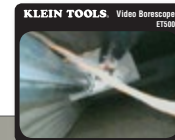
Video Borescope

- Use the Video Borescope to view inaccessible areas
- It features video, audio, photo recording, file playback, a durable camera snake with an adjustable work light, and video output capabilities
- Other features include screen rotation, adjustable LED worklight, TV-out and SD card
- IP67: Dustproof and waterproof camera
- Multiple Applications: Electrical, HVAC, Plumbing, Automotive, Aircraft. Use to view inaccessible areas: inside a wall, down the drain, in furnace or vent
- Package contents: Video Borescope, 17 mm gooseneck camera, Rechargeable lithium ion battery, Mirror camera attachment, Hook camera attachment, Magnet camera attachment, USB data & power adapter/charger, RCA composite to 3.5 mm mini A/V cable, Quick start guide, Software/Instruction manual CD-ROM, Carrying case



Multiple Applications!

- Electrical
 - HVAC
 - Plumbing
 - Automotive
 - Aircraft
- Use to view inaccessible areas:
 - Inside a wall
 - Down the drain
 - In furnace or vent



ET500



| Cat. No. | Batteries | Height | Width | Depth | Weight |
|----------|-----------|---------------|------------------|------------------|-----------------|
| ET500 | 2 x AAA | 7" (177.8 mm) | 3-1/4" (82.6 mm) | 1-3/4" (44.5 mm) | 8.1 oz. (230 g) |

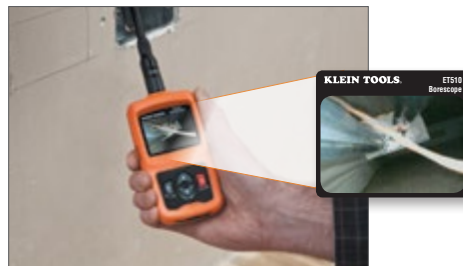
Borescope

- Use the borescope to view inaccessible areas
- It features a durable camera snake, a high resolution screen, mirror image and an adjustable LED work light
- IP67: Dustproof and waterproof camera
- Multiple Applications: Electrical, HVAC, Plumbing, Automotive, Aircraft. Use to view inaccessible areas: inside a wall, down the drain, in furnace or vent
- Package contents: Borescope, 17 mm gooseneck camera, Rechargeable lithium ion battery, Mirror camera attachment, Hook camera attachment, Magnet camera attachment, USB data adapter/charger, USB power adapter/charger, Instruction manual



Multiple Applications!

- Electrical
 - HVAC
 - Plumbing
 - Automotive
 - Aircraft
- Use to view inaccessible areas:
 - Inside a wall
 - Down the drain
 - In furnace or vent



ET510

| Cat. No. | Batteries | Height | Width | Depth | Weight |
|----------|-------------|---------------------|--------------------|--------------------|-----------------|
| ET510 | Lithium-ion | 6-17/32" (165.9 mm) | 2-27/32" (72.2 mm) | 1-35/64" (39.3 mm) | 8.1 oz. (230 g) |

See page 310 for additional information on warnings.



Test & Measurement Line Accessories

Circuit Breaker Finder Accessory Kit



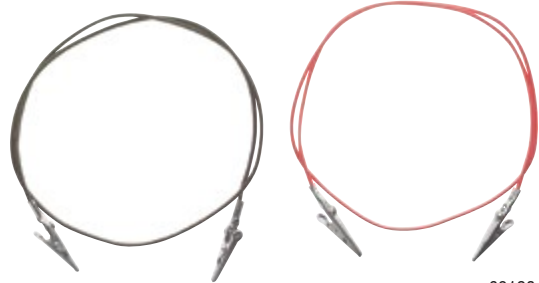
69411

- For use with ET300 Digital Circuit Breaker Finder refer to page 213
- Light socket adapter for finding the corresponding circuit of a lighting fixture
- Alligator clip adapter enables use of Digital Circuit Breaker Finder on bare wires

| Cat. No. | Weight |
|----------|----------------|
| 69411 | 2.1 oz. (60 g) |

Test Lead Set

- Each lead has alligator clips attached to both ends
- Multi-purpose tooth pattern for better gripping of wires and test points

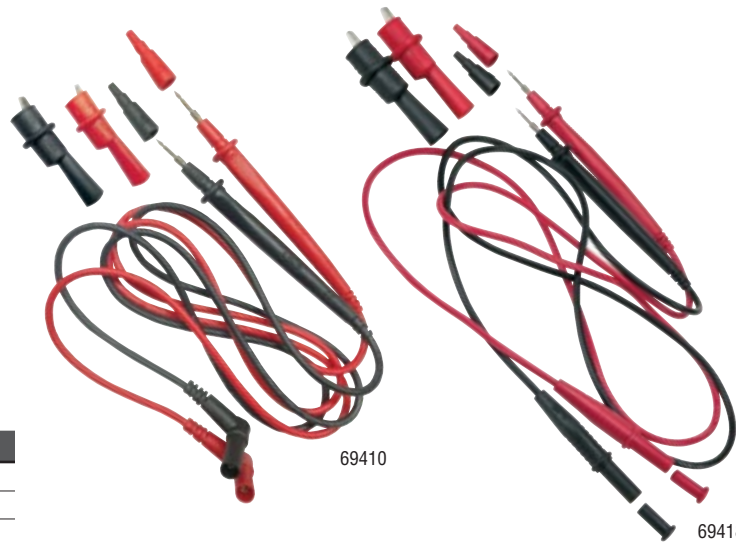


69128

| Cat. No. | Overall Length | Weight |
|----------|----------------|-------------------|
| 69128 | 32" (812.8 mm) | 6.4 oz. (181.4 g) |

Replacement Test Lead Sets

- Safety Rating: Category IV 600V and CAT III 1000V
- Screw-on alligator clips attach to wires and other conductors
- Intended for use as replacement test leads for meters that have standard, banana-type input jacks
- Leads are 41" (1,041 mm) long
- Cat. No. 69410 replacement test-lead set for MM300, MM400, MM600 and MM700
- Cat. No. 69418 replacement test-lead set for CL110, CL210, CL310, CL600, CL700 and CL800
- The leads perform accurately with Klein Tools' meters and other manufacturer's meters



69410

69418

| Cat. No. | Overall Length | Weight |
|----------|-----------------|----------------|
| 69410 | 41" (1041.4 mm) | 3.2 oz. (91 g) |
| 69418 | 41" (1041.4 mm) | 3.4 oz. (96 g) |

Replacement K-Type Thermocouples

- This UL® listed replacement thermocouple (Cat. No. 69028) is for use with Klein Tools multimeters and clamp meters as shown on list below
- Temperature measurement range is 0-250° Celsius
- Leads compatible with and fit lead storage compartments on most Klein meters



69028

69413

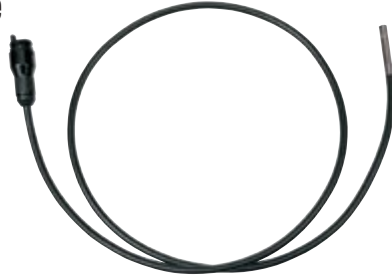
69414

| Cat. No. | Type | Multimeter | Clamp Meter | IR Gun | DTL | Weight |
|----------|----------------------------|--|--|-------------------------|----------------|-----------------|
| 69028 | K-Type Banana Thermocouple | MM200, MM400, MM600, MM700, MM1000, MM1300, MM2000, MM2300, MM6000 | CL200, CL210, CL310, CL330, CL700, CL800, CL1300, CL2300 | — | — | 0.7 oz. (20 g) |
| 69413 | K-Type Thermocouple | — | CL1100, CL2100 | IR2000, IR2000A, IR3000 | — | 0.2 oz. (5.7 g) |
| 69414 | DTL K-Type Thermocouple | — | — | — | DTL302, DTL304 | 0.2 oz. (5.7 g) |



Test & Measurement Line Accessories

6 mm Borescope Camera



- IP67: Dustproof and waterproof camera
- Bright LED worklight
- Gooseneck design for greater control and positioning
- Smaller footprint when penetrating walls and panels

| Cat. No. | Dimensions | Weight |
|----------|----------------------------|-----------------|
| 69450 | 6 mm x 1 m (0.23" x 3.28') | 3.5 oz. (99 g) |
| 69451 | 6 mm x 2 m (0.23" x 6.56') | 5.5 oz. (156 g) |

17 mm Borescope Camera



- IP67: Dustproof and waterproof camera
- Bright LED worklight
- Gooseneck design for greater control and positioning

| Cat. No. | Dimensions | Weight |
|----------|-----------------------------|-----------------|
| 69454 | 17 mm x 1 m (0.66" x 3.28') | 9.5 oz. (269 g) |

1 Meter Borescope Camera Extension



- Extends the reach of 17 mm and 6 mm borescope cameras
- Up to two extensions can be used with 17 mm camera without loss of video quality, to 9.9 ft. (3 m)
- Maximum of four extensions plus camera

| Cat. No. | Dimensions | Weight |
|----------|-----------------------------|-----------------|
| 69455 | 17 mm x 1 m (0.66" x 3.28') | 9.3 oz. (264 g) |

Borescope Attachment Tools

- Compatible with 17 mm diameter camera



| Cat. No. | Weight | Included |
|----------|------------------|---|
| 69457 | 0.4 oz. (11.0 g) | 1-5/8" (41.3 mm) Mirror Camera Attachment, 3" (76.2 mm) Hook Camera Attachment, 3-1/4" (82.6 mm) Magnet Camera Attachment |

Line Splitter 10x

- Allows the measuring of current draw up to 15A without splitting the load's power cord
- For use with all Klein Tools clamp meters and other manufacture clamp meters
- Can be used to perform voltage checks with standard multimeter probes
- Provides 10X measurement mode
- For North American-style outlets only

⚠️ WARNINGS:

- Do NOT use with loads greater than 15A.
- Risk of electric shock and burn. Contact with live circuits could result in death or serious injury.
- Do not use if line splitter appears damaged. If in doubt, replace line splitter. Do NOT use line splitter if wet. For indoors use only.

| Cat. No. | Height | Width | Depth | Weight |
|----------|---------------------|-------------------|--------------|-----------------|
| 69409 | 4-43/64" (118.7 mm) | 2-9/32" (57.9 mm) | 1" (25.4 mm) | 3.9 oz. (111 g) |



69409



Test & Measurement Line Accessories

Magnetic Hangers

- Durable nylon weave resists wear and tear
- Constructed with powerful rare earth magnets
- Has a secure loop & hook
- Hanger allows the user to safely work hands-free
- Cat. No. 69190 clips securely into back of rubber boot

| Cat. No. | Application | For Use With | Weight |
|----------|---|---|----------------|
| 69417 | Electrician's Multimeters and Select Clamps | MM300, MM400, MM600, MM700, CL600, CL700, CL800 | 1.1 oz. (31 g) |
| 69190 | Electrician's Previous Generation Multimeters | MM1000, MM1300, MM2000, MM2300 | 1.1 oz. (31 g) |



69190



69417

Tradesman Pro™ Hard Cases

- Hard shell protects tools, meters, small parts and tech devices
- Soft interior lining
- Durable zipper closure

| Cat. No. | Width | Height | Depth | Weight |
|----------|-------------------|--------------------|------------------|------------------|
| 5184 | 6-1/2" (165.1 mm) | 8-3/4" (222.3 mm) | 2-1/4" (57.2 mm) | 10.1 oz. (286 g) |
| 5189 | 5-1/2" (139.7 mm) | 10-1/4" (260.4 mm) | 2-1/4" (57.2 mm) | 10.1 oz. (286 g) |



5189



5184

Tradesman Pro™ Carrying Cases

- Two layers of padding protect even delicate instruments
- Heavy-duty zipper and rugged PVC coated polyester for durability
- Pockets for quick access and organization
- Cat. No. 69406 has loop with snap closure to attach to belts, bags and backpacks
- Cat. Nos. 69407 and 69408 have sturdy handle with box stitching for secure transportation and convenient hanging
- Cat. Nos. 69406 and 69407 recommended for meters, testers, infrared guns, and small tools
- Cat. No. 69408 recommended for meters, testers, infrared guns, tools, and borescopes

| Cat. No. | Pockets | Width | Height | Depth | Weight |
|----------|---------|-------------------|--------------------|------------------|------------------|
| 69406 | 1 | 4-1/2" (114.3 mm) | 9-1/4" (235.0 mm) | 2-1/4" (57.2 mm) | 6.1 oz. (173 g) |
| 69407 | 2 | 6" (152.4 mm) | 10-1/4" (260.4 mm) | 2-1/4" (57.2 mm) | 8.5 oz. (240 g) |
| 69408 | 2 | 7" (177.8 mm) | 10-1/4" (260.4 mm) | 2-1/4" (57.2 mm) | 10.6 oz. (299 g) |



69406

69407

69408

Carrying Case

- Constructed of black 600 Denier Nylon
- Has a heavy-duty PVC zipper and zinc alloy zipper tag
- The case has exceptional resistance to abrasions, punctures and tears
- Easily fits the following Klein Tools test and measurement meters: MM300, MM400, MM600, MM700, CL110, CL210, CL310, CL330, CL600, CL700 and CL800
- Convenient storage for other test and measurement products

| Cat. No. | Width | Height | Depth | Weight |
|----------|---------------|-------------------|------------------|----------------|
| 69401 | 4" (101.6 mm) | 9-1/4" (235.0 mm) | 2-1/4" (57.2 mm) | 3.2 oz. (91 g) |



69401



High Voltage Testers

Detect a wide range of AC voltage in overhead conductors and cables

Dual-Range High Voltage Non-Contact Tester

- Use to check for the presence of voltage in overhead conductors or to find faults in cables
- LOW range for 50V AC to 1.5kV AC
- HIGH range for 1.5kV AC to 132kV AC
- Includes durable carrying case



| Cat. No. | Voltage Range | Length | Weight |
|----------|--|----------------|------------------|
| HVNCVT-1 | Low: 50V AC - 1.5kV AC High: 1.5kV AC - 132kV AC | 13" (330.2 mm) | 10.6 oz. (299 g) |

Visual signal indicates presence of voltage.

Broad-Range Non-Contact Tester

- Use to check for the presence of voltage in overhead conductors or to find faults in cables
- 7 sensitivity ranges up to 230kV AC (240V, 4.2kV, 15kV, 25kV, 35kV, 69kV, 115kV, 230kV)
- Includes durable carrying case and universal/shotgun adapter



| Cat. No. | Voltage Range | Length | Weight |
|----------|----------------|----------------------|--------------------|
| HVNCVT-2 | up to 230kV AC | 10-25/64" (260.4 mm) | 1.4 lbs. (0.64 kg) |

Universal / Shotgun Adapter Included

Broad-Range Contact Tester

- Contact tester indicates the presence of voltage in overhead conductors 5kV AC to 36kV AC
- Includes durable carrying case



| Cat. No. | Voltage Range | Length | Weight |
|----------|---------------|------------------|---------------------|
| HVCT-1 | 5 - 36kV AC | 9.7" (246.38 mm) | 0.68 lbs. (0.31 kg) |

HVCT-1

Fiberglass Telescoping Handle

- Used for checking voltage up to 1,000V AC
- Connects to the hot stick end of the High-Voltage Contact Tester (Cat. No. HVCT-1)
- Dielectric pole type-tested & rated for 10kV AC
- Comes in a convenient zippered case



| Cat. No. | Voltage Range | Length | Weight |
|----------|-----------------|-----------------------------------|---------------------|
| HV-43 | up to 1,000V AC | 12.5"- 44.5" (317.5 to 1130.3 mm) | 0.73 lbs. (0.33 kg) |

HV-43

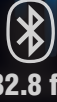
See page 310 for additional information on warnings.



NEW

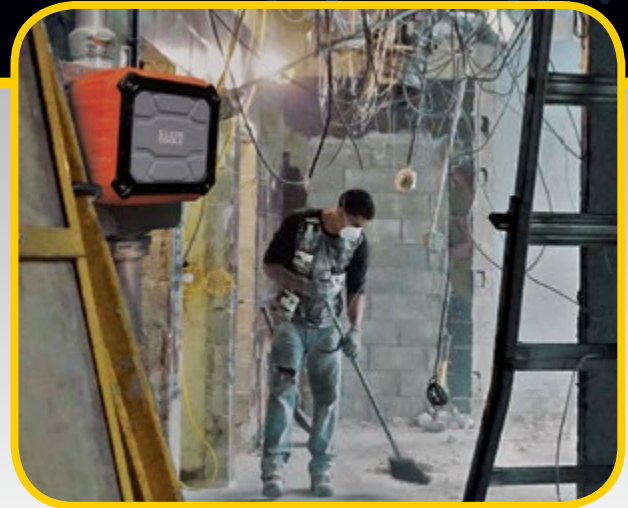
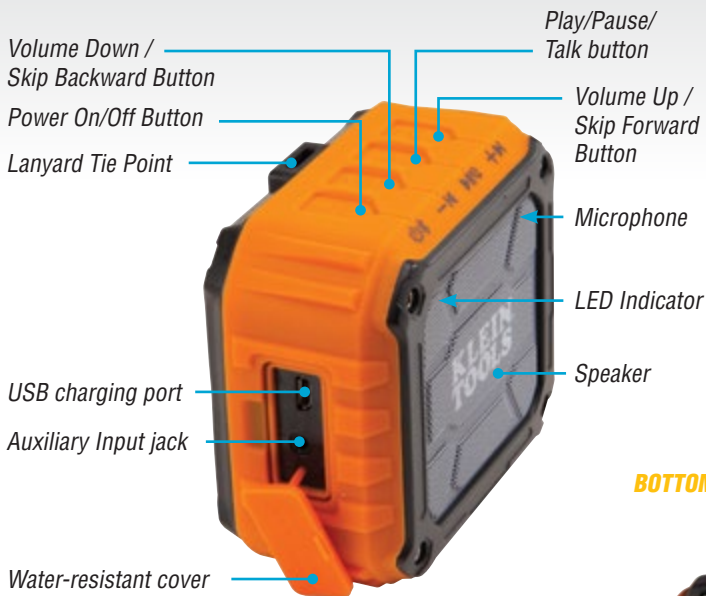
WIRELESS JOBSITE SPEAKER

iPhone / Android compatible



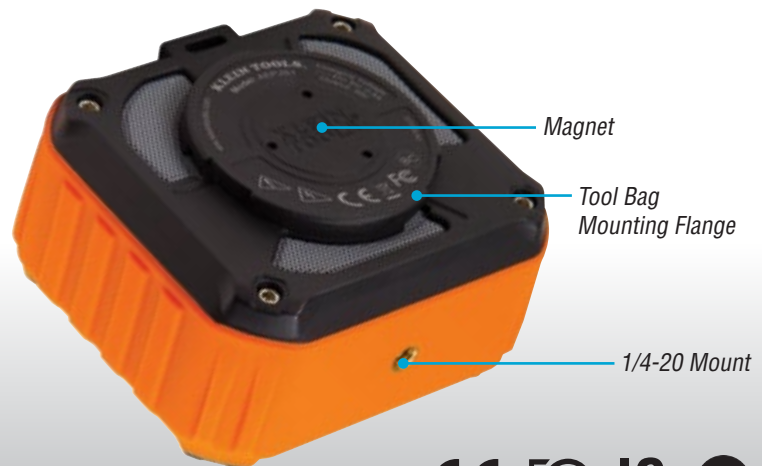
The Klein Tools **AEPJS1** is a powered speaker that provides 5 watts of high-quality sound for smart phones, tablets, computers and other audio devices via a wireless Bluetooth* connection or wired auxiliary input. It answer calls hands-free with the built-in speakerphone and can be magnetically attached to any steel surface, attached to Klein's Lighted Tool Bag (Cat. No. 55431), mounted to a standard 1/4-20 tripod, attached to a lanyard, or simply stood up on any solid, level surface.

TOP, SIDE & FRONT OF UNIT



- 10-Hour Battery Life
- 32.8 ft (10 m) Connectivity Range
- Rated IP45 Waterproof / Dustproof
- Drop Protected up to 6.6 ft (2 m)

BOTTOM & BACK OF UNIT



| Cat. No. | Dimensions | Weight |
|----------|--|----------------|
| AEPJS1 | 3.88" x 3.5" x 2.13" (98.6 x 88.9 x 54.1 mm) | 10 oz. (283 g) |

*Bluetooth is a registered trademark of Bluetooth Special Interest Group.

