



IDEAL TEST & MEASUREMENT CATALOG





For over 90 years, IDEAL INDUSTRIES, INC. has been enhancing the productivity and safety of electrician's who test, measure, or troubleshoot electrical systems. In 2021 we released a new line of testers with the professional electrician in mind. See our new additions in this catalog.

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Scan this QR code with your smart-phone to learn more about the new line.

SURETRACE™

CIRCUIT TRACER

Your IDEAL troubleshooting solution.
Designed **to find** everything, while saving you time and money.

Scan this QR code with your smartphone to see a video and learn more about the testers.



KIT OPTIONS AND PARTS

| KIT OPTIONS |  61-959 Receiver with Super-Bright OLED Rotating Display (90° increments) and inductive clamp and battery pack |  61-957 Receiver with Super-Bright OLED Rotating Display (90° increments) |  61-955 Receiver with Rotating Red LED Display (180° increments) |
|---|--|--|--|
| INDIVIDUAL COMPONENTS | 61-959 | 61-957 | 61-955 |
| RC-959 Receiver with Super-Bright OLED Display  | ✓ | ✓ | — |
| RC-955 Receiver with Red LED Display  | — | — | ✓ |
| TR-955 Transmitter Rated for Use on Circuits from 0 to 600V AC/DC  | ✓ | ✓ | ✓ |
| IC-958 BP-958 Inductive Clamp and Battery Pack For use on 0 to 120V circuits carrying less than 5 Amps.  | ✓ | — | — |
| TL-956 Test Lead Set  | ✓ | ✓ | ✓ |
| CR-959 Cradle for RC-959 and RC-955 Receivers  | Sold Separately | Sold Separately | Sold Separately |

CIRCUIT TRACER RECEIVERS FEATURES

RC-959 (Left) and **RC-955** (Right)

- Super Bright OLED Display**: Callout showing the RC-959's green OLED display showing '09'.
- Red LED Display**: Callout showing the RC-955's red LED display showing '99'.
- Exclusive Rotating Display**: Callout showing the display rotating 90° and 180°.
- Four Levels of Sensitivity**: Callout showing the sensitivity level indicator on the RC-955.
- Audible Indication**: Callout showing the speaker icon on the RC-955.
- Low Battery Indicator**: Callout showing the battery level indicator on the RC-955.



Finds Opens



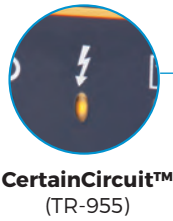
Finds Conductors in Walls, Ceilings and Floors



Finds Dead Shorts

0-600V AC or DC Lead Set included.

CIRCUIT TRACER TRANSMITTER FEATURES



⚡ CertainCircuit™
After the correct breaker has been identified and tripped, the transmitter senses the loss of power and sends a different signal back to the receiver at the panel to give the user confidence that the right circuit has been de-energized.



Traces de-energized circuits



Inductive Clamp for when direct contact with alligator clips is not possible



TR-955



Inductive Clamp & Battery Pack
(For use on circuits carrying up to 120V AC w/less than 5 Amps)
IC-958 | BP-958



Cradle
(For use on RC-955 & RC-959 Receivers)
CR-959



Tracer Test Lead Set
TL-956 (includes the following)

1. 3 Ft. Lead Adapter for Transmitter (set of 2)
2. 25 ft. Lead Adapter for Transmitter
3. Alligator Clips (set of 2)
4. Blade Prongs
5. Prong for Lead Adapters
6. Outlet Plug Adapter for Transmitter

CIRCUIT BREAKER FINDERS

Scan this QR code with your smartphone to see a video and learn more about the testers.



FEATURES

GFCI Trip
Transmitter for #61-534
GFCI Wiring Indicators CORRECT WIRING

Non-Contact Voltage Tester

LED Indicators

Audible Tone

Polarity & Live Circuit Indication

61-534

61-532

Live Circuit Indication

IDEAL
Transmitter for #61-534
GFCI
Wiring Indications
● CORRECT WIRING
● OPEN GROUND
● REVERSE POLARITY
● OPEN NEUTRAL
● HOT & GND. REV.
● HOT ON NEUTRAL WITH HOT OPEN
● LAMP OUT
CIRCUIT OK

IDEAL
#61-534
Circuit Breaker Finder
with Digital Receiver

IDEAL
Transmitter for 61-532
120V AC Circuit Breaker Finder

Plug in transmitter (do not use power). Touch receiver away from power. Receiver will beep and LED will glow. Note receiver beeps frequently while it measures signal strength. Slowly move down each breaker again. Receiver beeps on correct breaker.

150000 Max. AC SW
CIRCUIT TESTER
120V
IDEAL INDUSTRIES, INC.
Dyersville, N. 60719 U.S.A.



Lead Adapter Kit

Provides adapters for use in lighting fixtures.



TL-532A

Test Lead & Adapter Kit

CIRCUIT BREAKER FINDER SPECIFICATIONS



61-534
Transmitter
Triple Function - Signal
Transmitter, Polarity Indicator &
GFCI Receptacle Tester



61-534
Receiver
Dual Function -
Non-Contact Voltage
Tester & Breaker Finder



61-532
Transmitter



61-532
Receiver

CIRCUIT BREAKER FINDER SELECTION GUIDE



| TRANSMITTER FEATURES | 61-534 | 61-532 |
|---|-----------------------------|-----------------------------|
| CAT Rating (Safety) | CAT II 300V | CAT II 300V |
| Listing | UL 1436 | UL 1436 |
| Line Voltage | Line Powered (120V AC only) | Line Powered (120V AC only) |
| Supply Frequency | 47-63Hz | 47-63Hz |
| Weight | 50g (approx.) | 50g (approx.) |
| Pulse Amplitude | 18A (approx.) @ 120V | 18A (approx.) @ 120V |
| Pulse Rate | 4mS every 17ms (@ 60Hz) | 4mS every 17ms (@ 60Hz) |
| Power Consumption | 200mW max. @ 120V AC | 200mW max. @ 120V |
| Operating Temperature | 32° - 122°F (0 to 50°C) | 32° - 122°F (0 to 50°C) |
| GFCI | ✓ | — |
| Polarity Indication | ✓ | — |
| RECEIVER FEATURES | | |
| Visual and Audible Indicators | ✓ | ✓ |
| Low Battery Indication | ✓ | ✓ |
| Auto Power Off (after 10 mins. of no activity) | ✓ | ✓ |
| Battery Type (included) | 9V | 9V |
| Weight | 0.2 lbs. (w/o battery) | 0.2 lbs. (w/o battery) |
| Warranty | 2-Year* | 2-Year* |
| ACCESSORIES | | |
| Light Socket and 3-prong to 2-prong Adapters, Alligator Clips | TL-532A | TL-532A |

Specifications are subject to change without notice.

SURETEST® CIRCUIT ANALYZER

FEATURES

Scan this QR code with your smartphone to see a video and learn more about the tester.



61-164
Circuit Analyzer



Displays Voltage Drop
at 12, 15 & 20 Amps



Displays Impedance
of hot, neutral & ground



Displays H N G
polarity



Detects and Displays
false or "bootleg"
ground



Displays
neutral to ground voltage



Trips GFCI
at 6mA or 30mA



True RMS
Line Voltage



Estimated Load
on Line in Amps

CIRCUIT ANALYZER SPECIFICATIONS

| SURETEST® CIRCUIT ANALYZER SPECIFICATIONS | | 61-164 | | |
|--|--------------|--|--------------------|----------|
| | | Description | Range & Resolution | Accuracy |
| TRANSMITTER FEATURES | | | | |
| CAT Rating (Safety) | CAT III 300V | — | | |
| Listing | cULus | — | | |
| AC Voltage (Note: The 61-164 is protected to 265V AC but should be unplugged immediately if plugged into a mis-wired outlet. It is intended for use on 120V AC circuits only.) Do not press any buttons. | — | 85.0 - 265.0 VAC (Unplug if 240V AC is displayed and correct wiring.) | 1.0% | |
| Frequency | — | 45.0 - 65.0 Hz | 1.0% | |
| Impedance | — | 0.00 - 3.00 Ω | 5.0% | |
| Neutral Ground Voltage | — | 0.0 - 24.0V AC | 2.0% | |
| % Voltage Drop 12A, 15A, 20A Load Tests | — | 0.1% - 50.0% | 5.0% | |
| GFCI mA Trip Level & Time to Trip in Milliseconds | — | 6.0 - 9.0 mA 0.0 - 6500 mS | 2.0% | |
| Warranty | 2-Year* | — | | |
| ACCESSORIES | | Part No. | | |
| Ground Continuity Adapter (For checking grounding of cabinets, etc.) | | 61-175 | | |
| Isolated Ground Adapter (For determining whether receptacle has an isolated ground.) | | 61-176 | | |
| Alligator Clip Adapter (For connection to circuits other than outlets.) | | 61-183 | | |
| 1' Extension Cord (included) | | 61-182 | | |
| Nylon Carrying Case (included) | | 61-179 | | |

IMPORTANT: This circuit analyzer is intended for use by qualified electricians. Follow the NFPA 70E Standard for Electrical Safety in the Workplace when using this tester. Always consult the instruction manual provided with the tester for operational limitations and procedures associated with a specific tester.

Specifications are subject to change without notice.



61-183
Alligator Clip Adapter
for 61-164
Circuit Analyzer



61-175
Ground Continuity
Adapter for 61-164
Circuit Analyzer



61-176
Isolated Ground
Adapter for 61-164
Circuit Analyzer



61-182
1' Extension Cord
for 61-164
Circuit Analyzer

CLAMP/FORK METER VS. MULTIMETER



Safety - A fork meter allows you to measure AC or DC current (depending on the model) by positioning the fork around a conductor, which is much safer than making direct contact with a live circuit.

Productivity - During a measurement, it is not necessary to shut off the circuit carrying current, which improves productivity.

Limited to 200A AC/DC Measurement

No Fuse Protection required



Safety - A clamp meter allows you to measure AC or DC current (depending on the model) by positioning the clamp jaw around a conductor, which is much safer than making direct contact with a live circuit.

Productivity - During a measurement, it is not necessary to shut off the circuit carrying current, which improves productivity. This allows isolation of a conductor being tested in a bundle of conductors.

Limited to 2000A AC/DC Measurement (Hard Clamp)

No Fuse Protection required

Multimeters measure current differently than a fork or clamp meter. To measure current with a multimeter:

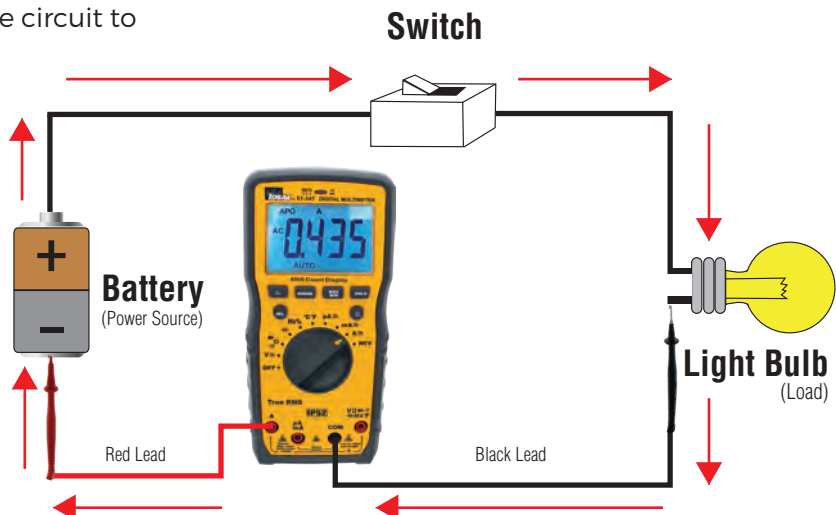
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

To properly conduct a current measurement in accordance with Electrical Safety-related Work Practices (ESWP) you must:

- de-energize the circuit, disconnect the circuit, insert the meter into the circuit, re-energize the circuit to test current
- AND THEN... repeat the whole process again to "remove" the meter from the circuit after the test.

Limited to 10A AC/DC Measurement

Fuse Protection required (due to current pass-through)



TIGHTSIGHT® CLAMP METERS

Scan this QR code with your smartphone to see a video and learn more about the testers.



FEATURES



Non-Contact Voltage Tester
Screen displays
Electromagnetic Field (EF)



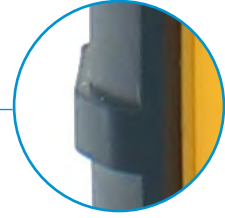
Flashlight



Built-In Probe Tip Holder



Universal Magnetic Strap Clip



Overmolded Industrial Grip
2M Drop (model specific)



Backlit Displays



61-757 | 61-747



Patented TightSight® Backlit Display eliminates need to bend or twist conductors or place your head near or in the panel and allows you to easily read the bottom display when taking all measurements.



FORK METERS

FEATURES



Non-Contact Voltage Indication
Built in Clamp Tip



0.75 in. (19mm) Jaw Opening



Flashlight/Backlight



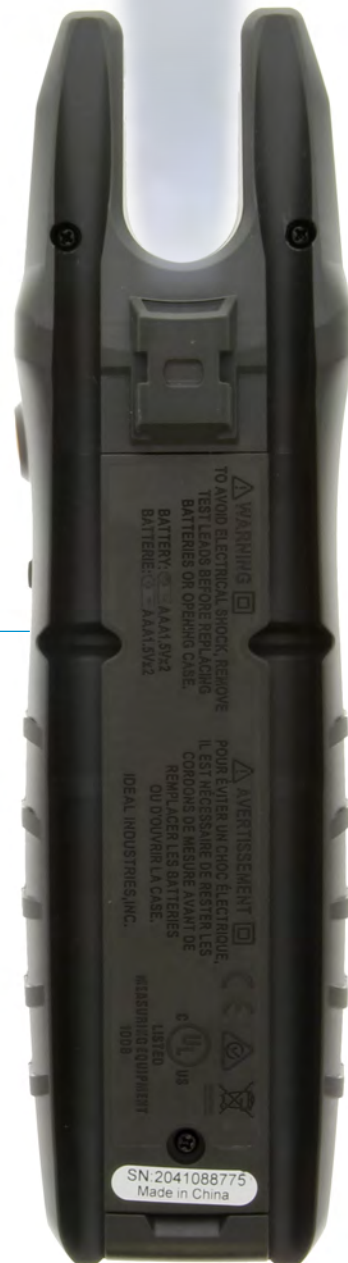
Probe Storage & Lead Holders
(on back)



Delta
(difference from original reading)



Max./Min.



61-415 | 61-405



Patented TightSight® Backlit Display eliminates need to bend or twist conductors or place your head near or in the panel and allows you to easily read the bottom display when taking measurements



TIGHTSIGHT® CLAMP METERS



61-775
1000A AC/DC
Clamp Meter
TightSight® w/Backlight
CAT IV 600V | CAT III 1000V



61-765
660A AC/DC
Clamp Meter
TightSight® w/Backlight
CAT IV 600V | CAT III 1000V



61-757
600A AC/DC
Clamp Meter
TightSight® w/Backlight
& Flashlight
CAT IV 600V | CAT III 1000V



61-747
400A AC/DC
Clamp Meter
TightSight® w/Backlight
& Flashlight
CAT III 600V



61-415
200A AC/DC
Split Jaw Meter
TightSight® w/Backlight
& Flashlight
CAT IV 600V | CAT III 1000V

CONVENTIONAL CLAMP METERS



61-744
400A AC Clamp Meter
4000 Count & Flashlight
CAT III 600V



61-737
400A AC Clamp Meter
4000 Count w/Backlight
CAT III 600V



61-405
200A AC Split Jaw Meter
w/Backlight & Flashlight
CAT III 600V

CLAMP METER ACCESSORIES



TL-757
Test Leads
w/Alligator Clips



UMHS-757
Universal Magnetic
Hanging Strap





TC-757
Thermocouple



C-757
Nylon Carrying Case

IMPORTANT: The clamp meters on this page are intended for use by qualified electricians. Follow the NFPA 70E Standard for Electrical Safety in the workplace when using this tester. Always consult the instruction manual provided with the tester for operational limitations and procedures associated with a specific tester.

CLAMP METER SPECIFICATIONS

| CLAMP METER SELECTION GUIDE |  |  |  |  |
|-----------------------------|---|---|---|---|
| | 61-775 | 61-765 | 61-757 | 61-747 |
| FEATURES | | | | |
| CAT Rating (Safety) | CAT IV 600V CAT III 1000V | CAT IV 600V CAT III 1000V | CAT IV 600V CAT III 1000V | CAT III 600V |
| Listing | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM |
| Drop Protection | | | 6.6 ft. (2m) | 6.6 ft. (2 m) |
| Clamp/Jaw Opening | 2.0 in. (50.8mm) | 1.5 in. (38mm) | 1.4 in. (35.5mm) | 1.4 in. (35.5mm) |
| AC Voltage (Volts) | 750V | 750V | 600V | 600V |
| DC Voltage (Volts) | 750V | 750V | 1000V | 600V |
| AC Current (Amps) | 1000A | 660A | 600A | 400A |
| DC Current (Amps) | 1000A | 660A | 600A | 400A |
| Ohms (Resistance) | 999.9Ω | 999.9Ω | 60MΩ | 40MΩ |
| AC Millivolts | — | — | 6000 | 4000 |
| DC Millivolts | — | — | 6000 | 4000 |
| True RMS | ✓ | ✓ | ✓ | ✓ |
| High Voltage Alarm | ✓ | ✓ | ACV/DCV >30V | ACV/DCV >30V |
| Audible Continuity | ✓ | ✓ | ✓ | ✓ |
| Visual Continuity | ✓ | ✓ | ✓ | ✓ |
| Backlight | ✓ | ✓ | ✓ | ✓ |
| Temperature | — | — | -40°F ~ 1832°F -40°C ~ 1000°C | -40°F ~ 1832°F -40°C ~ 1000°C |
| Low Impedance (LoZ) | — | — | Yes | — |
| NCV | — | — | 40-600V | 40-600V |
| Auto Ranging | ✓ | ✓ | ✓ | ✓ |
| Range Hold | — | — | ✓ | ✓ |
| Data Hold | ✓ | ✓ | ✓ | ✓ |
| Relative | ✓ | ✓ | ✓ | ✓ |
| Diode Test | — | — | ✓ | ✓ |
| Capacitance Test | ✓ | ✓ | 6.000mF | 4.000mF |
| Frequency / Duty Cycle | ✓ | ✓ | 10Hz-9.999KHz | 10Hz-9.999KHz |
| Max / Min | ✓ | ✓ | ✓ | ✓ |
| Magnetic Strap Mount | — | — | ✓ | ✓ |
| Test Probe Holder | — | — | ✓ | ✓ |
| Flashlight | — | — | ✓ | ✓ |
| Auto-Power Off (APO) | ✓ | ✓ | ✓ | ✓ |
| APO Disable | ✓ | ✓ | ✓ | ✓ |
| Low Battery Indication | ✓ | ✓ | ✓ | ✓ |
| Battery Type (included) | 1 x 9 Volt | 1 x 9 Volt | 3 x 1.5V AAA | 3 x 1.5V AAA |
| Bottom LCD Display | ✓ | ✓ | ✓ | ✓ |
| LCD Display Count | 9999 | 9999 | 6000 | 4000 |
| Warranty | 2-Year* | 2-Year* | 2-Year* | 2-Year* |
| ACCESSORIES | | | | |
| Leads & Alligator Clips | Included | Included | Included | Included |

Specifications are subject to change without notice.

CLAMP METER SPECIFICATIONS

| CLAMP METER SELECTION GUIDE |  |  NEW |  NEW |  NEW |
|-----------------------------|---|---|---|---|
| | 61-744 | 61-737 | 61-415 | 61-405 |
| FEATURES | | | | |
| CAT Rating (Safety) | CAT III 600V | CAT III 600V | CAT IV 600V CAT III 1000V | CAT III 600V |
| Listing | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM |
| Drop Protection | | 3.3 ft. (1m) | 6.6 ft. (2m) | 3.3 ft. (1m) |
| Clamp/Jaw Opening | 1.45 in. (36.5mm) | 1.4 in. (35.5mm) | 0.75 in. (19mm) | 0.75 in. (19mm) |
| AC Voltage (Volts) | 600V | 600V | 1000 | 1000 |
| DC Voltage (Volts) | 600V | 600V | 1000 | 1000 |
| AC Current (Amps) | 600A | 400A | 200 | 200 |
| DC Current (Amps) | — | — | 200 | — |
| Ohms (Resistance) | 40MΩ | 40MΩ | 60MΩ | 60MΩ |
| AC Millivolts | — | 4000 | ✓ | ✓ |
| DC Millivolts | — | 4000 | ✓ | ✓ |
| True RMS | — | ✓ | ✓ | ✓ |
| High Voltage Alarm | — | ACV/DCV >30V | ACV/DCV >30V | ACV/DCV >30V |
| Audible Continuity | ✓ | ✓ | ✓ | ✓ |
| Visual Continuity | — | ✓ | ✓ | ✓ |
| Backlight | — | ✓ | ✓ | ✓ |
| Temperature | — | -40°F ~ 1832°F -40°C ~ 1000°C | — | — |
| Low Impedance (LoZ) | — | — | — | — |
| NCV | 70-600V | 40-600V | 40-600V | 40-600V |
| Auto Ranging | ✓ | ✓ | ✓ | ✓ |
| Range Hold | ✓ | ✓ | ✓ | ✓ |
| Data Hold | ✓ | ✓ | ✓ | ✓ |
| Relative | — | ✓ | ✓ | ✓ |
| Diode Test | — | ✓ | ✓ | ✓ |
| Capacitance Test | — | 400.0μF | 6.000mF | 6.000mF |
| Frequency / Duty Cycle | — | 10Hz-9.999KHz | — | — |
| Max / Min | — | ✓ | ✓ | ✓ |
| Magnetic Strap Mount | — | ✓ | ✓ | ✓ |
| Test Probe Holder | — | ✓ | ✓ | ✓ |
| Flashlight | — | — | ✓ | ✓ |
| Auto-Power Off (APO) | ✓ | ✓ | ✓ | ✓ |
| APO Disable | — | — | ✓ | ✓ |
| Low Battery Indication | ✓ | ✓ | ✓ | ✓ |
| Battery Type (included) | 2 x 1.5V AAA | 3 x 1.5V AAA | 2 x 1.5V AAA | 2 x 1.5V AAA |
| Bottom LCD Display | — | — | ✓ | — |
| LCD Display Count | 4000 | 4000 | 6000 | 6000 |
| Warranty | 2-Year* | 2-Year* | 2-Year* | 2-Year* |
| ACCESSORIES | | | | |
| Leads, Case & Batteries | Leads only | Included | Included | Included |
| Thermocouple | — | Included | — | — |

Specifications are subject to change without notice.

*VISIT WWW.IDEALIND.COM FOR WARRANTY DETAILS.

WWW.IDEALIND.COM • 800-435-0705 | 13

MULTIMETER VS. CLAMP/FORK METER



Safety - A fork meter allows you to measure AC or DC current (depending on the model) by positioning the fork around a conductor, which is much safer than making direct contact with a live circuit.

Productivity - During a measurement, it is not necessary to shut off the circuit carrying current, which improves productivity.

Limited to 200A AC/DC Measurement

No Fuse Protection required



Safety - A clamp meter allows you to measure AC or DC current (depending on the model) by positioning the clamp jaw around a conductor, which is much safer than making direct contact with a live circuit.

Productivity - During a measurement, it is not necessary to shut off the circuit carrying current, which improves productivity. This allows isolation of a conductor being tested in a bundle of conductors.

Limited to 2000A AC/DC Measurement (Hard Clamp)

No Fuse Protection required

Multimeters measure current differently than a fork or clamp meter. To measure current with a multimeter:

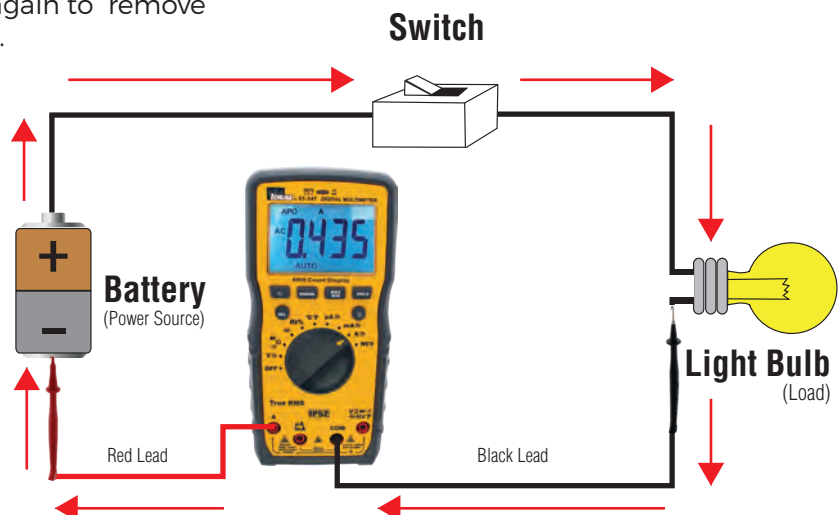
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

To properly conduct a current measurement in accordance with Electrical Safety-related Work Practices (ESWP) you must:

- de-energize the circuit, disconnect the circuit, insert the meter in the circuit, re-energize the circuit to test current
- AND THEN... repeat the whole process again to "remove" the meter from the circuit after the test.

Limited to 10A AC/DC Measurement

Fuse Protection required (due to current pass-through)



DIGITAL MULTIMETERS

FEATURES



Non-Contact Voltage Tester
Built in



Non-Contact Voltage, High Voltage, Visual Indications, Augment Audible Indication
(61-357, 61-347, 61-337)



Backlit Display
(all models)



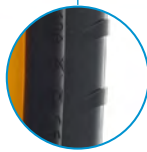
Temperature
(61-357, 61-347, 61-337)



Probe Holder Storage
All Models



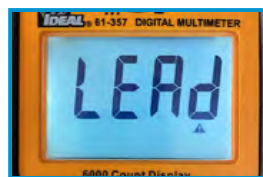
Universal Magnetic Strap Clip
All Models



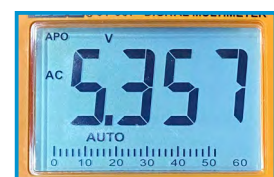
Removable Boot
All Models



FUSE Notification
(61-357, 61-347, 61-337)



LEAD Warning
(61-357, 61-347, 61-337)



Bar Graph
(61-357 only)

DIGITAL MULTIMETERS



61-357

1000V Auto Range TRMS
6000 Count Display Multimeter
w/NCVT, Temp, Bar Graph & LoZ
CAT IV 600V | CAT III 1000V



61-347

1000V Auto Range TRMS
6000 Count Display
Multimeter w/NCVT, & Temp
CAT IV 600V | CAT III 1000V



61-337

600V Auto Range
Multimeter w/NCVT & Temp
CAT III 600V



61-327

600V Manual Range
Multimeter w/NCVT CAT III 600V



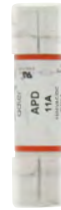
ACCESSORIES



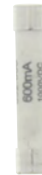
TL-757
Test Leads



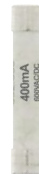
UMHS-757
Universal Magnetic
Hanging Strap



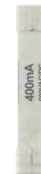
F-11A-347357
Fuse for 61-357 & 61-347



F-600mA-347357
Fuse for 61-357 & 61-347



F-10A-337
Fuse for 61-337



F-400mA-337
Fuse for 61-337



TC-757
Thermocouple







C-357
Nylon Carrying Case

Scan this QR code
with your smart-
phone to see a video
and learn more
about the testers.



DIGITAL MULTIMETERS FEATURES

| DIGITAL MULTIMETER SELECTION GUIDE |  NEW |  NEW |  NEW |  NEW |
|------------------------------------|---|---|---|---|
| | 61-357 | 61-347 | 61-337 | 61-327 |
| FEATURES | | | | |
| CAT Rating (Safety) | CAT IV 600V CAT III 1000V | CAT IV 600V CAT III 1000V | CAT III 600V | CAT III 600V |
| Listing | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM |
| Drop Protection | 6.6 ft. (2m) | 6.6 ft. (2m) | 3.3 ft. (1m) | 3.3 ft. (1m) |
| Ingress Protection | IP52 | IP52 | — | — |
| AC Voltage (Volts) | 1000V | 1000V | 600V | 600V |
| DC Voltage (Volts) | 1000V | 1000V | 600V | 600V |
| AC Current (Amps) | 10A | 10A | 10A | — |
| DC Current (Amps) | 10A | 10A | 10A | — |
| Ohms (Resistance) | 60MΩ | 60MΩ | 40MΩ | 4MΩ |
| AC Millivolts | 6000 | 6000 | 4000 | — |
| DC Millivolts | 6000 | 6000 | 4000 | 4000 |
| AC Milliamps | 6000 | 6000 | 4000 | — |
| DC Milliamps | 6000 | 6000 | 4000 | — |
| AC Microamps | 6000 | 6000 | 4000 | — |
| DC Microamps | 6000 | 6000 | 4000 | — |
| True RMS | ✓ | ✓ | — | — |
| High Voltage Alarm | ACV/DCV >30V | ACV/DCV >30V | ACV/DCV >30V | ACV/DCV >30V |
| Audible Continuity | ✓ | ✓ | ✓ | ✓ |
| Visual Continuity | ✓ | ✓ | ✓ | ✓ |
| Backlight | ✓ | ✓ | ✓ | ✓ |
| Temperature | -40 ~ 1832°F -40 ~ 1000°C | -40 ~ 1832°F -40 ~ 1000°C | -40 ~ 1832°F -40 ~ 1000°C | — |
| Low Impedance (LoZ) | ✓ | — | — | — |
| NCV | ✓ | ✓ | ✓ | — |
| Auto Ranging | ✓ | ✓ | ✓ | — |
| Range Hold | ✓ | ✓ | ✓ | — |
| Data Hold | ✓ | ✓ | ✓ | ✓ |
| Diode Test | ✓ | ✓ | ✓ | ✓ |
| Capacitance Test | 6000 μF | 6000 μF | 4000 μF | — |
| Frequency / Duty Cycle | 10Hz - 9.99 KHz | 10Hz - 9.99 KHz | 10Hz - 9.99 KHz | 10Hz - 9.99 KHz |
| Max / Min | ✓ | ✓ | ✓ | — |
| Magnetic Strap Mount | ✓ | ✓ | ✓ | ✓ |
| Test Probe Holder | ✓ | ✓ | ✓ | ✓ |
| Auto-Power Off | ✓ | ✓ | ✓ | ✓ |
| APO Disable | ✓ | ✓ | ✓ | ✓ |
| Low Battery Indication | ✓ | ✓ | ✓ | ✓ |
| Battery Type (included) | 3 x 1.5V AAA | 3 x 1.5V AAA | 3 x 1.5V AAA | 3 x 1.5V AAA |
| LCD Display Count | 6000 | 6000 | 4000 | 2000 |
| Lead Warning | ✓ | ✓ | ✓ | — |
| Fuse Notification | ✓ | ✓ | ✓ | — |
| Bar Graph | ✓ | — | — | — |
| Battery Test | — | — | — | ✓ |
| Warranty | 2-Year* | 2-Year* | 2-Year* | 2-Year* |
| Accessories | | | | |
| Leads, Case & Temp. Sensor | Included | Included | Included | Leads Only |
| Thermocouple | Included | Included | Included | — |

Specifications are subject to change without notice.

VOLTAGE TESTERS

FEATURES

Scan this QR code with your smartphone to see a video and learn more about the testers.



Non-Contact Voltage



Audible Indication for NCV, Continuity & High Voltage



Backlit Display



LoZ
Eliminates Ghost Voltage



GFCI Test



Universal Magnetic Strap Clip



Probe Holder for Storage



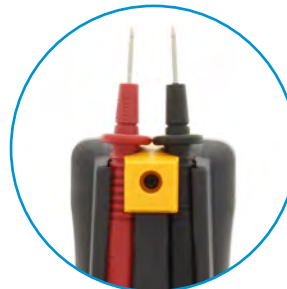
61-557



UMHS-757
Universal Magnetic Hanging Strap (61-557)



TL-757
Test Leads



VOLTAGE TESTERS FEATURES



61-557

Voltage and Continuity Tester
w/LCD, GFCI, Flashlight & NCVT
6-600V AC/DC
CAT IV 600V



61-547

8 Level AC/DC Voltage Indicator
with Polarity Indicator
12-600V DC | 24-600V AC
CAT III 600V



61-076

Vol-Con® Voltage/Continuity Tester
5-600V AC/DC
CAT III 600V



61-065

Vol-Test® Voltage Tester
100-600V AC/DC
CAT III 600V



VOLTAGE TESTER SELECTION GUIDE



NEW



NEW



| | 61-557 | 61-547 | 61-076 | 61-065 |
|-------------------------|---------------------|--------------|--------------------|--------------------|
| FEATURES | | | | |
| CAT Rating (Safety) | CAT IV 600V | CAT III 600V | CAT III 600V | CAT III 600V |
| Listing Preferred | cULus, CE | cULus, CE | cULus | cULus |
| Drop Protection | 6.6 ft. (2m) | 6.6 ft. (2m) | | |
| Ingress Protection | IP42 | IP42 | — | — |
| AC Voltage (Volts) | 6 ~ 600 | 24 ~ 600 | 5 ~ 600 | 100 ~ 600 |
| DC Voltage (Volts) | 6 ~ 600 | 12 ~ 600 | 5 ~ 600 | 100 ~ 600 |
| High Voltage Alarm | ACV >30 or DCV >30V | ACV/DCV >48V | — | — |
| Audible Continuity | ✓ | — | — | — |
| Visual Continuity | ✓ | — | ✓ | — |
| Backlight | ✓ | — | — | — |
| Low Impedance (LoZ) | ✓ | — | ✓ | ✓ |
| NCV | 90-600V AC | — | — | — |
| Auto Ranging | ✓ | — | — | — |
| Magnetic Strap Mount | ✓ | ✓ | — | — |
| Test Probe Holder | ✓ | ✓ | ✓ | ✓ |
| Flashlight | ✓ | — | — | — |
| Auto-Power Off (APO) | ✓ | — | — | — |
| Low Battery Indicator | ✓ | — | — | — |
| Battery Type (included) | 3 x 1.5V AAA | — | 4 x 1.5V LR44 | — |
| LCD Display Count | 600 | — | — | — |
| Backlight | ✓ | — | — | — |
| DC Polarity Indication | ✓ | ✓ | ✓ | — |
| Leads | Removable | Fixed | Removable | Removable |
| GFCI Test | ✓ | — | — | — |
| Display | LCD | Neon Lamps | Indicator Movement | Indicator Movement |
| Warranty | 2-Year* | 2-Year* | 2-Year* | 2-Year* |
| ACCESSORIES | | | | |
| Test Leads | TL-757 | — | 61-070 | 61-070 |
| Magnetic Hanging Strap | UMHS-757 | UMHS-757 | — | — |

Specifications are subject to change without notice.

RECEPTACLE TESTERS

Scan this QR code with your smartphone to learn more about the testers.



FEATURES



Digital Voltage Readout
Provides Voltage Level at Outlet



GFCI Test w/Indicator Light



On/Off Button
Confirms Tester is Working



Green Lights
Indicate Correct Wiring



Red Lights
Indicate Incorrect Wiring



LEDs Easily Visible
Plugged in or rotated to fit receptacles.

RECEPTACLE TESTER FEATURES



61-517
120V AC GFCI
Receptacle/Voltage
Tester
CAT II 150V AC



Neon Lamp
Polarity Indication



61-051
E-Z Check® Plus
GFCI Circuit
Tester



Fits Standard
120V Outlets



61-035
E-Z Check®
Circuit Tester



GFCI Test
Button



61-501
GFCI Receptacle
Tester



RECEPTACLE TESTER SELECTION GUIDE



NEW

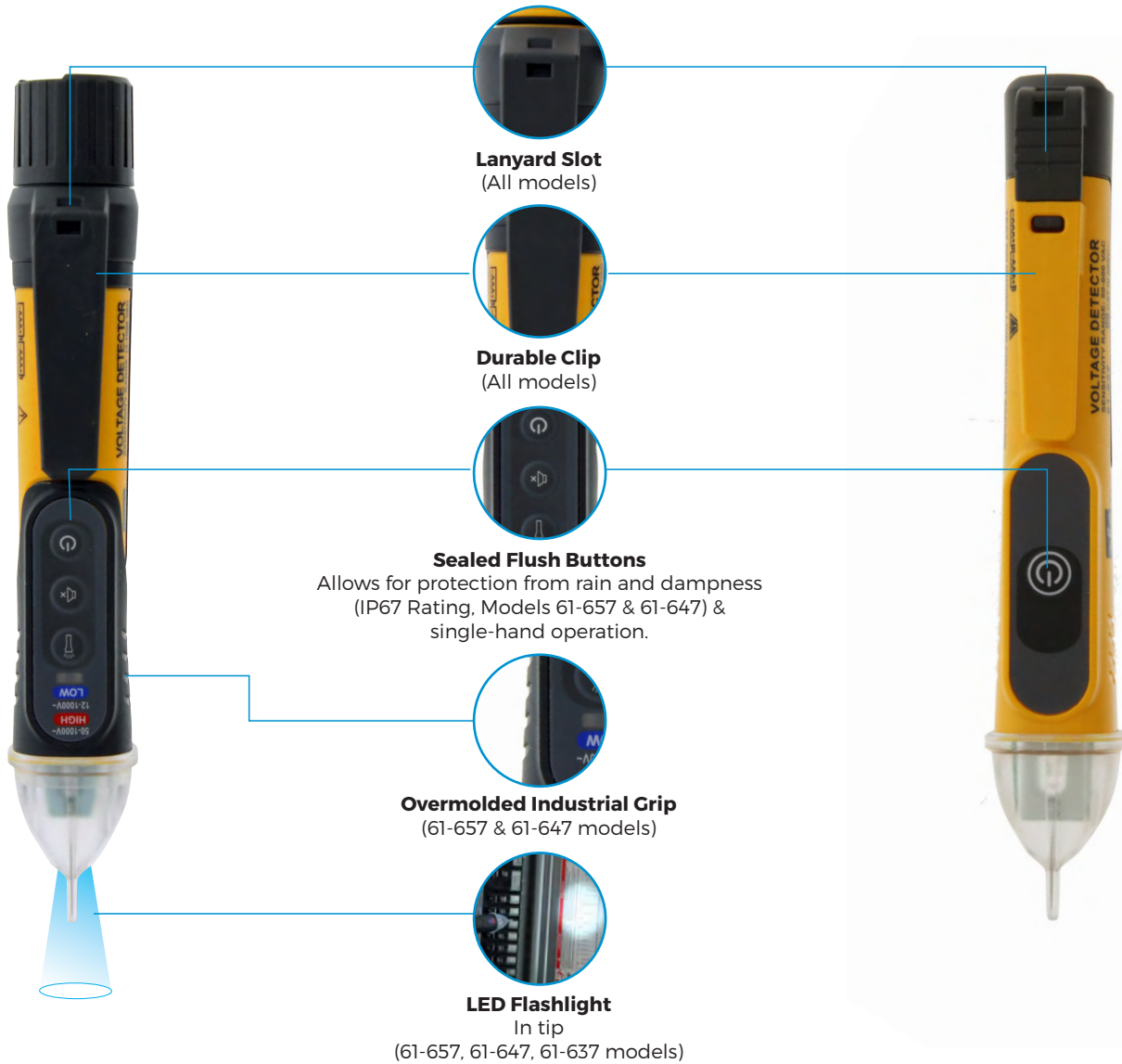


| | 61-517 | 61-051 | 61-035 | 61-501 |
|---------------------|---------|---------|---------|---------|
| FEATURES | | | | |
| Voltage Rating | 120V AC | 120V AC | 120V AC | 120V AC |
| Polarity Indication | ✓ | ✓ | ✓ | ✓ |
| GFI Trip | ✓ | ✓ | — | ✓ |
| UL Listed | ✓ | ✓ | ✓ | ✓ |
| Made in the USA | — | ✓ | ✓ | — |
| Premium Neon Lamps | — | ✓ | ✓ | ✓ |
| LCD Display | ✓ | — | — | — |
| Warranty | 2-Year* | 2-Year* | 2-Year* | 1-Year |

Specifications are subject to change without notice.

NON-CONTACT VOLTAGE TESTERS

FEATURES



Scan this QR code with your smartphone to learn more about the testers.



NON-CONTACT VOLTAGE TESTERS FEATURES



61-657
Dual Range
12 to 1000V AC
NCVT w/Flashlight
CAT IV 1000V

61-647
Single Range
50 to 1000V AC
NCVT w/Flashlight
CAT IV 1000V

61-637
Single Range
24 to 600V AC
NCVT w/Flashlight
CAT IV 600V

61-627
Single Range
50 to 600V AC
NCVT
CAT IV 600V



Dual Range on 61-657 only.



Standard Voltage Range
Indicated by a Red LED



Power On
Indicated by a Green LED






Low Voltage Range
Indicated by a Blue LED



Presence of Voltage
Indicated by a Flashing Red LED & Audible Tone

NON-CONTACT VOLTAGE TESTERS FEATURES

| NON-CONTACT VOLTAGE TESTER SELECTION GUIDE |  NEW |  NEW |  NEW |  NEW |
|--|--|--|--|--|
| | 61-657 | 61-647 | 61-637 | 61-627 |
| FEATURES | | | | |
| CAT Rating (Safety) | CAT IV 1000V | CAT IV 1000V | CAT IV 600V | CAT IV 600V |
| Listing | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM | cULus, CE, RCM |
| Voltage Sensing Range | 12 ~ 1000V AC | 50 ~ 1000V AC | 24 ~ 600V AC | 50 ~ 600V AC |
| Dual Range | ✓ | — | — | — |
| Flashlight | ✓ | ✓ | ✓ | — |
| Drop Protection | 6.6 ft. (2m) | 6.6 ft. (2m) | 3.3 ft. (1m) | 3.3 ft. (1m) |
| Ingress Protection | IP67 | IP67 | — | — |
| Dual Range Sensitivity | ✓ | — | — | — |
| Audible Indication | ✓ | ✓ | ✓ | ✓ |
| Audible Defeat | ✓ | ✓ | ✓ | — |
| Visual Indication | Green On, Flashing Red | Green On, Flashing Red | Green On, Flashing Red | Green On, Flashing Red |
| Visual Range Indicator | Blue Low, Red High | — | — | — |
| Lanyard Compatible | ✓ | ✓ | ✓ | ✓ |
| Auto-Power Off (APO) | ✓ | ✓ | ✓ | ✓ |
| Low Battery Indication | ✓ | ✓ | ✓ | ✓ |
| Battery Type (included) | 2 x 1.5V AAA | 2 x 1.5V AAA | 2 x 1.5V AAA | 2 x 1.5V AAA |
| Warranty | 2-Year* | 2-Year* | 2-Year* | 2-Year* |

Specifications are subject to change without notice.

INFRARED THERMOMETERS

FEATURES

Scan this QR code with your smart-phone to learn more about the thermometers.



Dual Laser Targeting

61-847

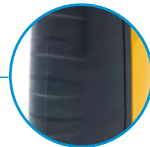
Dual Laser Targeting
12:1 Infrared Thermometer



Single Laser Targeting

61-827

Single Laser Targeting
10:1 Infrared Thermometer





Overmolded Industrial Grip



Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3 as described in Laser Notice No. 56 dated May 8, 2019.

Specifications are subject to change without notice.

| INFRARED THERMOMETER SELECTION GUIDE |  |  |
|---------------------------------------|---|--|
| | NEW | NEW |
| | 61-847 | 61-827 |
| FEATURES | | |
| Listing | cULus | cULus |
| Certification | CLASS 2, IEC 60825-1:2014 | CLASS 2, IEC 60825-1:2014 |
| Wavelength | 630nm-670nm | 630nm-670nm |
| Output | < 1mW | < 1mW |
| Listing | cULs, CE | cULs, CE |
| Drop Protection | 6.6 ft. (2m) | 3.3 ft. (1m) |
| Optical Resolution (distance-to-spot) | 12 : 1 | 10 : 1 |
| Measurement Range | -26° - 932°F (-32° to 500°C) | -4° to 752°F (-20° to 400°C) |
| Laser Targeting | Dual | Single |
| Auto Scan | ✓ | — |
| Max/Min/Avg/Diff | ✓ | — |
| High/Low Alarm | ✓ | — |
| Data Hold | ✓ | ✓ |
| Lock-on (for continuous measurements) | ✓ | — |
| Emissivity | 0.10 - 1.00 Adjustable | 0.95 Fixed |
| Backlit Display | ✓ | ✓ |
| Display | LCD | LCD |
| Auto Power-Off | ✓ | ✓ |
| Selectable Celsius / Fahrenheit | ✓ | ✓ |
| Battery Type (included) | 2 x 1.5V AAA | 2 x 1.5V AAA |
| Low Battery Indicator | ✓ | ✓ |
| Response Time | 250 ms | 500 ms |
| Spectral Response | 8 to 14µm | 8 to 14µm |
| Warranty | 2-Year* | 2-Year* |

SPECIALTY TESTERS



61-520
3-Phase Rotation
Tester



61-521
3-Phase Motor/Rotation
Tester



61-797
Insulation Tester
w/PI, DAR



61-795
Insulation Tester



61-796
3-Pole Ground
Resistance Tester



61-920
Ground Resistance
Clamp Meter



61-686
Digital Light
Meter



SPECIALTY TESTERS FEATURES

| PHASE ROTATION SELECTION GUIDE | 61-520 | 61-521 |
|--------------------------------|---------|---------|
| FEATURES | | |
| Motor Rotation | — | ✓ |
| Phase Rotation | ✓ | ✓ |
| 120 to 600V AC | ✓ | ✓ |
| Color Coded Leads | ✓ | ✓ |
| Detachable Leads | — | ✓ |
| Warranty | 2-Year* | 2-Year* |
| ACCESSORIES (Included) | | |
| Test Leads | | TL-521 |



TL-521
Test Lead Set

| INSULATION TESTER SELECTION GUIDE | 61-795 | 61-797 |
|-----------------------------------|------------------|-------------------------|
| FEATURES | | |
| Test Voltage | 250/500/1000V DC | 50/100/250/500/1000V DC |
| Voltage AC/DC | 0.1 - 600.0V | 0.1 - 600.0V |
| Continuity | 0.01 - 20.0 Ω | — |
| Resistance | 0.01Ω - 200.0 Ω | 0.01Ω - 40.00k Ω |
| Insulation Resistance | Up to 4000M Ω | Up to 20G Ω |
| Warranty | 2-Year* | 2-Year* |
| ACCESSORIES (Included) | | |
| Test Leads | TL-795 | TL-795 |
| Remote Probe | — | TL-797RP |



TL-795
Test Lead Set
w/Premium
Alligator Clips

TL-797RP
Remote Probe
Test Lead Set

| GROUND ROD TESTING SELECTION GUIDE | 61-796 | 61-920 |
|------------------------------------|------------|--------------------------|
| FEATURES | | |
| 3 Point Fall of Potential Method | ✓ | — |
| Clamp on Technique | — | ✓ |
| Auto Ranging | — | ✓ |
| Measuring Range | 0 - 2000 Ω | 0 - 1200 Ω |
| Ground Leakage Current | — | 100mA/1000mA/ 15A/30A |
| Warranty | 2-Year* | 2-Year* |
| ACCESSORIES (Included) | | |
| Test Leads | TL-796 | — |



TL-796
Earth Resistance
Lead Set

| LIGHT METER SELECTION GUIDE | 61-686 |
|---|---|
| FEATURES | |
| Four Measurement Ranges | Up to 20,000 Foot Candles or 200,000 Lux |
| Data and Max Hold Modes | ✓ |
| Auto Zero Adjust | ✓ |
| Low Battery Indication | ✓ |
| Auto Power Off | ✓ |
| Remote Sensor w/59" attached Coiled Cable | ✓ |
| Warranty | 2-Year* |



Specifications are subject to change without notice.

ACCESSORIES

NEW



TL-532A
120V AC Circuit Breaker
Finder Adapter Kit

NEW



TL-757
Universal Test Leads
& Alligator Clips

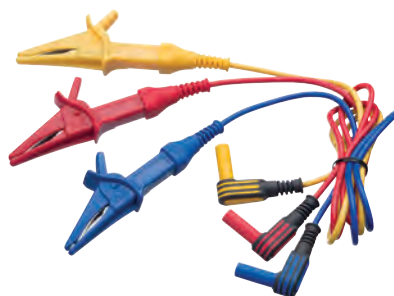
NEW



UMHS-757
Universal Magnetic
Hanging Strap
(For use with 61-405, 61-415, 61-737,
61-747, 61-757, 61-327, 61-337, 61-347,
61-357, 61-547 & 61-557)



TC-757
Thermocouple



TL-521
Test Lead
Set



TL-796
Earth Resistance
Lead Set



TL-797RP
Remove Probe
Test Lead



TL-795
Test Leads w/
Alligator Clips
(premium)



61-070
Standard Test Leads
(for use with 61-076 & 61-065)
































TL-956
Test Lead Set

TEST LEAD SELECTION GUIDE

for this **TESTER**

▶ use these **TEST LEADS**

| | |
|--|--|
| <p>61-065 Vol-Test® Voltage Tester</p> <p>61-076 Vol-Con® Voltage/ Continuity Tester</p>  | <p>▶ 61-070 Standard Vol-Con® Test Leads</p> |
| <p>61-737 61-747 61-757 Digital Clamp Meters</p>  | <p>▶ TL-757 Test Lead Set</p>  <p>UMHS-757 Magnetic Strap</p>  |
| <p>61-405 61-415 Digital Split Jaw Meters</p>  | <p>▶ TL-757 Test Lead Set</p>  <p>UMHS-757 Magnetic Strap</p>  |
| <p>61-557 Voltage Tester</p>  | <p>▶ TL-757 Test Lead Set</p>  <p>UMHS-757 Magnetic Strap</p>  |
| <p>61-521 3-Phase/Motor Rotation Tester</p>  | <p>▶ TL-521 Test Lead Set</p>  |
| <p>61-327 61-337 61-347 61-357 Digital Multimeters</p>  | <p>▶ TL-757 Test Lead Set</p>  <p>UMHS-757 Magnetic Strap</p>  |
| <p>61-744 Clamp-Pro™ 600A Clamp Meter</p>  | <p>▶ TL-757 Test Lead Set</p>  <p>UMHS-757 Magnetic Strap</p>  |
| <p>61-765 660A Clamp Meter</p> <p>61-775 1000A Clamp Meter</p>  | <p>▶ TL-757 Test Lead Set</p>  |
| <p>61-795 Insulation Tester</p>  | <p>▶ TL-795 Test Leads w/Alligator Clips Premium</p>  |
| <p>61-796 3-Pole Ground Resistance Tester</p>  | <p>▶ TL-796 Earth Resistance Lead Set</p>  |
| <p>61-797 Insulation Tester</p>  | <p>▶ TL-795 Test Leads w/Alligator Clips Premium</p>  <p>TL-797RP Remote Probe Test Lead</p>  |
| <p>TR-955 Transmitter for SureTrace™ Circuit Tracers</p>  | <p>▶ TL-956 Test Lead Set</p>  |

CARRYING CASES



61-179
Nylon Carrying Case



C-90
Nylon Carrying Case



C-290
Nylon Carrying Case



C-760
Nylon Carrying Case



C-770
Nylon Carrying Case



C-357
Nylon Carrying Case

NEW



C-757
Nylon Carrying Case

NEW

| | | VOLTAGE TESTERS | | | 160 | 300 | | | | 400 | | 700 | | | | 740 | 770 | 790 |
|------------------------|---------------------|-----------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 61-065 | 61-076 | | 61-164 | 61-327 | 61-337 | 61-347 | 61-357 | 61-405 | 61-415 | 61-727 | 61-737 | 61-747 | 61-757 | 61-744 | 61-775 | 61-797 |
| Selection Guide | | | | | | | | | | | | | | | | | | |
| 61-179 | Nylon Carrying Case | | | | . | | | | | | | | | | | | | |
| C-90 | Nylon Carrying Case | . | . | | | | | | | | | | | | . | | | |
| C-290 | Nylon Carrying Case | | | | | | | | | | | | | | | | | . |
| C-357 | Nylon Carrying Case | | | | | . | . | . | . | | | | | | | | | |
| C-760 | Nylon Carrying Case | | | | | | | | | | | | | | . | | | |
| C-757 | Nylon Carrying Case | | | | | | | | . | . | . | . | . | . | | | | |
| C-770 | Nylon Carrying Case | | | | | | | | | | | | | | | | . | |

REPLACEMENT PARTS SELECTION GUIDE

| SELECTION GUIDE | | 060 | 070 | 300 | | | | | | 400 | 500 | | | | | 750 | 740 | | 750 | 760 | 770 | 790 | | 950 | |
|-------------------|--|---------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 61-065 | 61-076 | 61-327 | 61-337 | 61-340 | 61-342 | 61-347 | 61-357 | 61-486 | 61-521 | 61-532 | 61-534 | 61-547 | 61-557 | 61-737 | 61-744 | 61-747 | 61-757 | 61-765 | 61-775 | 61-795 | 61-796 | 61-797 | TR-955 |
| FUSES | F-105 | 1A (600V) | 10.3 x 35mm | | | | | | | | | | | | | | | | | | | | | | |
| | F-340 | 0.5A (500V) | 6.35 x 32mm | | • | | | | | | | | | | | | | | | | | • | | | |
| | F-341 | 10A (1000V) | 10 x 38mm | | • | | | | | | | | | | | | | | | | | | | | |
| | F-400mA-337 | 400mA (600V) | 6.5 x 32mm | | • | | | | | | | | | | | | | | | | | | | | |
| | F-10A-337 | 10A (600V) | 10 x 38mm | | • | | | | | | | | | | | | | | | | | | | | |
| | F-600mA-347357 | 600mA (1000V) | 6.5 x 32 mm | | | | • | | | | | | | | | | | | | | | | | | |
| | F-11A-347357 | 11A (1000V) | 10 x 38mm | | | | • | | | | | | | | | | | | | | | | | | |
| | F-497 | 600mA (1000V) | 10 x 35mm | | | | | | | | | | | | | | | | | | | | | | |
| | F-498 | 11A (1000V) | 10 x 38mm | | | | | | | | | | | | | | | | | | | | | | |
| | F-797 | 315mA (1000V) | 5 x 32mm | | | | | | | | | | | | | | | | | | | | | | • |
| BATTERIES | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AA | | | | | | | | | | | | | | | | | | | | | | | | • |
| | 1.5V (AAA) | | | | | | | | | | | | | | | | | | | | | | | | • |
| | 9V | | | | | | | | | | | | | | | | | | | | | | | | • |
| | LR44 | | | | | | | | | | | | | | | | | | | | | | | | • |
| TEST LEADS | | | | | | | | | | | | | | | | | | | | | | | | | |
| TL-796 | Earth Resistance Lead Set | | | | | | | | | | | | | | | | | | | | | | | | • |
| TL-797RP | Remote Probe Test Lead | | | | | | | | | | | | | | | | | | | | | | | | • |
| 61-070 | Standard Test Leads | | | | | | | | | | | | | | | | | | | | | | | | • |
| TL-757 | Universal Test Leads & Alligator Clips | | | | | | | | | | | | | | | | | | | | | | | | • |
| TL-521 | Test Lead Set | | | | | | | | | | | | | | | | | | | | | | | | • |
| TL-795 | Test Leads w/Alligator Clips (Premium) | | | | | | | | | | | | | | | | | | | | | | | | • |
| TL-956 | Test Lead Set | | | | | | | | | | | | | | | | | | | | | | | | • |

SAFETY IN THE FIELD

IEC (International Electrotechnical Commission) Category Ratings



Category I – The signal level for telecommunications, electronic and other low-energy equipment with transient limiting protection. Peak impulse transient range is 600-4,000 volts with 30 ohm source.



Category II – The local level for fixed and non-fixed powered devices including appliances, lighting and portable equipment. Outlets located more than 30 feet from CAT III sources and 60 feet from CAT IV sources. Peak impulse transient range is from 600-6,000 volts with a 12 ohm source.

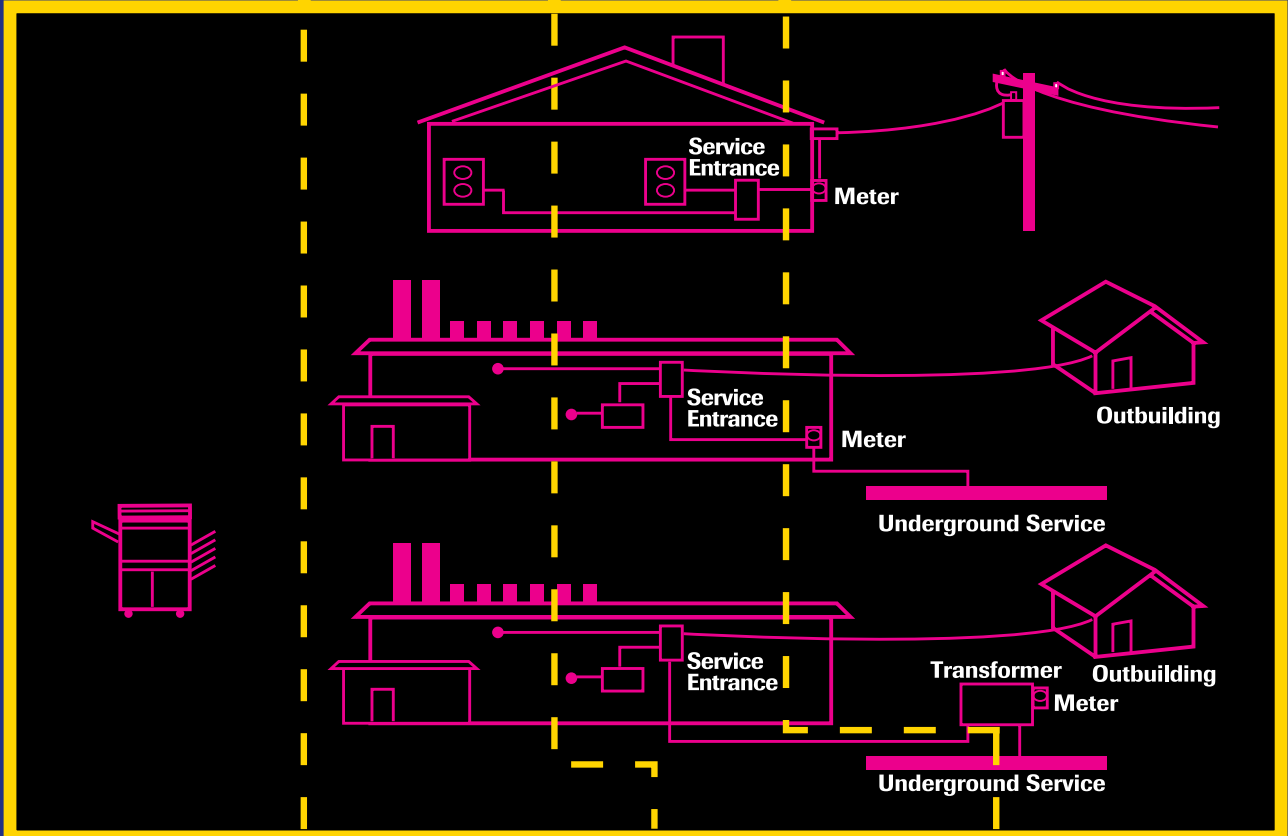


Category III – The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.



Category IV – The primary supply level for the highest levels of transient over voltage. Includes the utility service both outside and at the service entrance, service drop from the pole to the building, overhead line to remote buildings, and underground line to a well pump. Peak impulse transient range is 600-12,000 volts with less than a 1 ohm source.

Visit idealind.com for more technical product details, application support, white papers, videos and software.



CAT I Copiers

- Electronic equipment
- Low energy equipment with transient limiting protection

CAT II Appliances, PCs, TVs

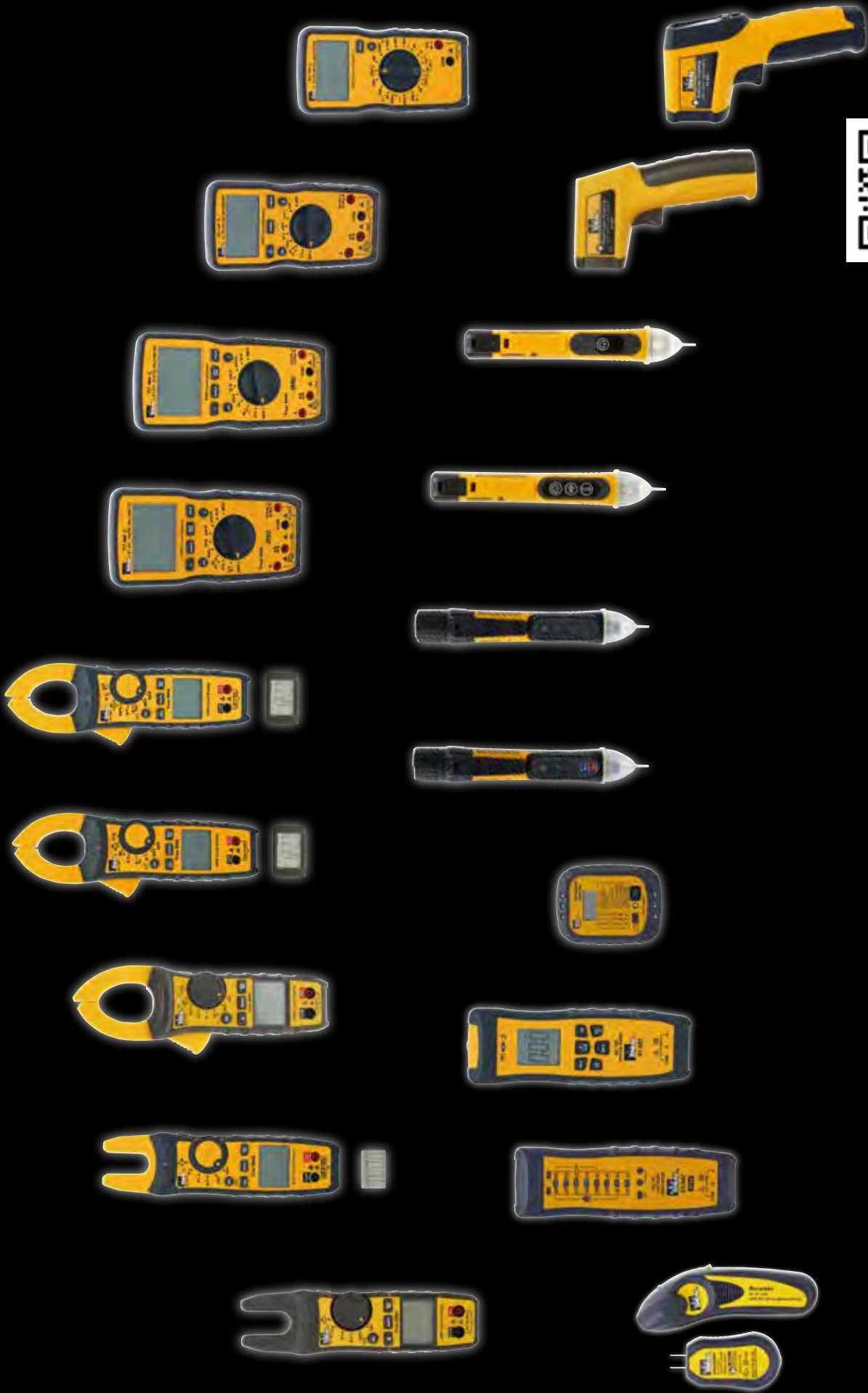
- Outlets and long branch equipment
- All outlets at more than 10m (30 ft) from Category III source
- All outlets at more than 20m (60 ft) from Category IV source

CAT III MC Panels

- Feeders and short branch circuits
- Distribution panel devices
- Heavy appliance outlets with "short" connections to service entrance

CAT IV Exterior Transformers, Meters

- Outside and service entrance
- Service drop from pole to building
- Overhead line to detached building
- Underground line to well pump



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