



IDEAL TEST & MEASUREMENT CATALOGUE





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.

CIRCUIT TRACERS3 -5

CLAMP / FORK METERS 6 - 11

- Clamp Meters..... 6 - 7
- Fork Meters..... 8 - 9
- Selection Charts 10 -11

DIGITAL MULTIMETERS12 - 15

VOLTAGE / CONTINUITY TESTERS.....16 - 17

NON-CONTACT VOLTAGE TESTERS 18 -20

SPECIALTY TESTERS

- Digital Light Meter20

INFRARED THERMOMETERS21

ACCESSORIES

- Test Leads 22
- Carrying Cases 23
- Replacement Parts..... 23
- Accessories 24 - 25

SAFETY IN THE FIELD..... 26 - 27



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.

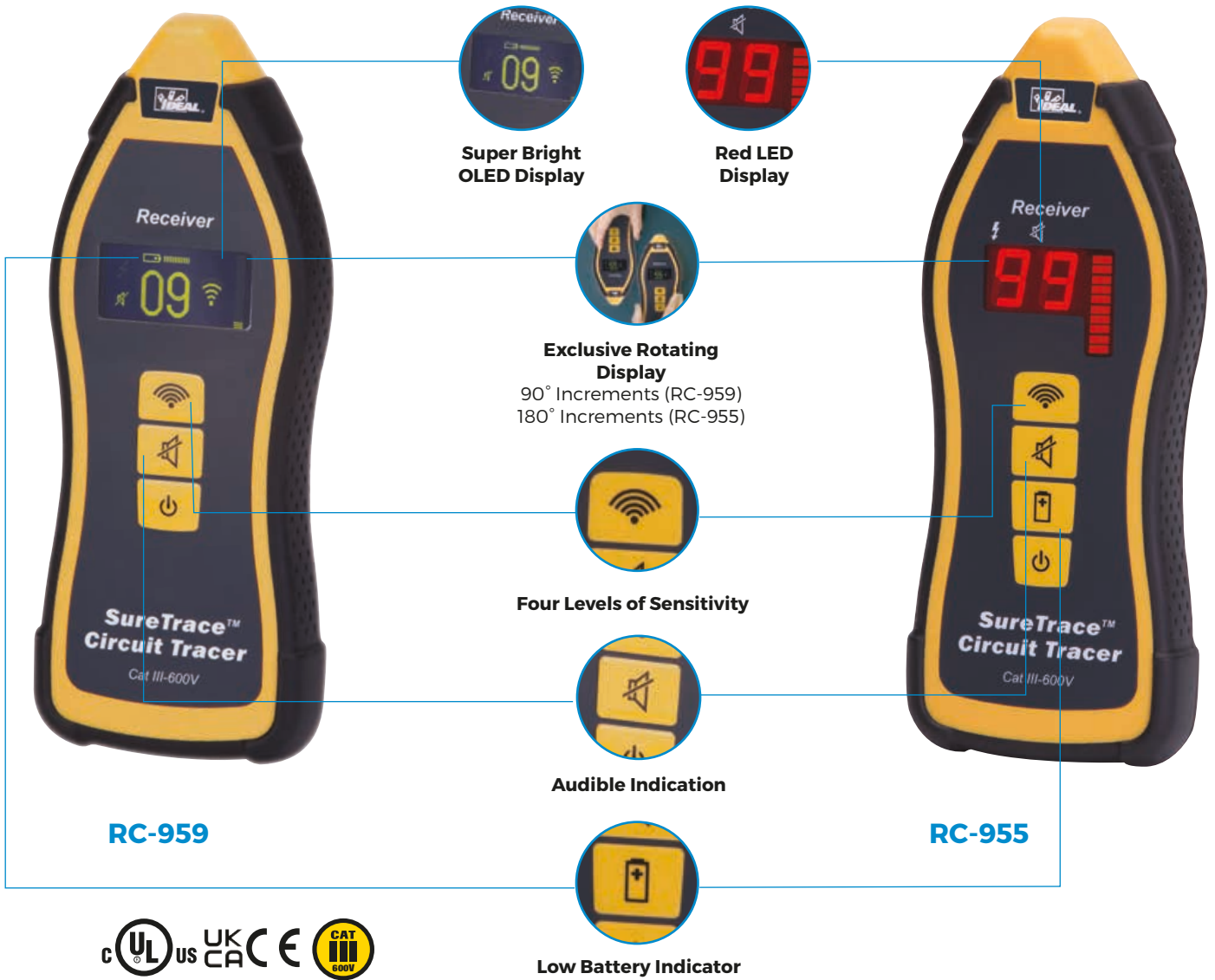
Scan this QR code with your smartphone to see a video and learn more about the testers.



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-958UK TL958EU Test Lead Set  | ✓ | ✓ | ✓ |
| CR-959 Cradle for RC-959 and RC-955 Receivers  | Sold Separately | Sold Separately | Sold Separately |

CIRCUIT TRACER RECEIVERS FEATURES



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-energised.



Traces de-energised 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-958UK or TL-958EU
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. Outlet Plug Adapter for Transmitter (EU or UK plug)

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:

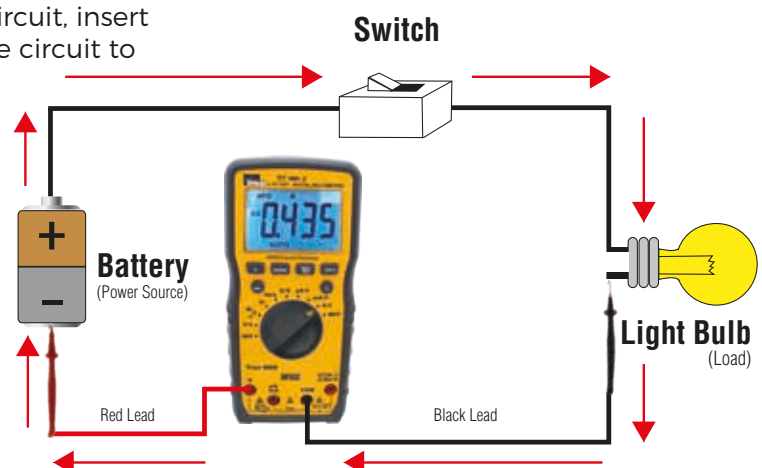
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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

- de-energise the circuit, disconnect the circuit, insert the meter into the circuit, re-energise 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

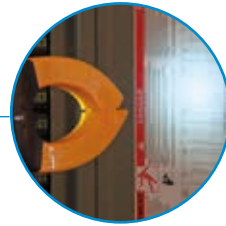
Scan this QR code with your smartphone to see a video and learn more about the testers.



FEATURES



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



Torch



Built-In Probe Tip Holder



Universal Magnetic Strap Clip



Overmoulded 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

Torch/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
& Torch
CAT IV 600V | CAT III 1000V



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



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

CONVENTIONAL CLAMP METERS



61-744
400A AC Clamp Meter
4000 Count w/Backlight
& Torch
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 & Torch
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

CLAMP METER SPECIFICATIONS

| CLAMP METER SELECTION GUIDE |  |  |  NEW |  NEW |
|-----------------------------|---|---|--|--|
| | 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, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM |
| Drop Protection | | | 6.6 ft. (2m) | 3.3 ft. (1 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) | — | — | ✓ | — |
| 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 | — | — | ✓ | ✓ |
| Torch | — | — | ✓ | ✓ |
| 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 | TL-757 | TL-757 | TL-757 | TL-757 |

* Go to idealind.com for complete warranty information
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, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM |
| Drop Protection | | 3.3 ft. (1m) | 6.6 ft. (2m) | 6.6 ft. (2m) |
| 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 | 1000V | 1000V |
| DC Voltage (Volts) | 600V | 600V | 1000V | 1000V |
| AC Current (Amps) | 600A | 400A | 200A | 200A |
| DC Current (Amps) | — | — | 200A | — |
| 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 | — | ✓ | ✓ | ✓ |
| Torch | — | — | ✓ | ✓ |
| 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 | — | TC-757 | — | — |

* Go to idealind.com for complete warranty information
Specifications are subject to change without notice.

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:

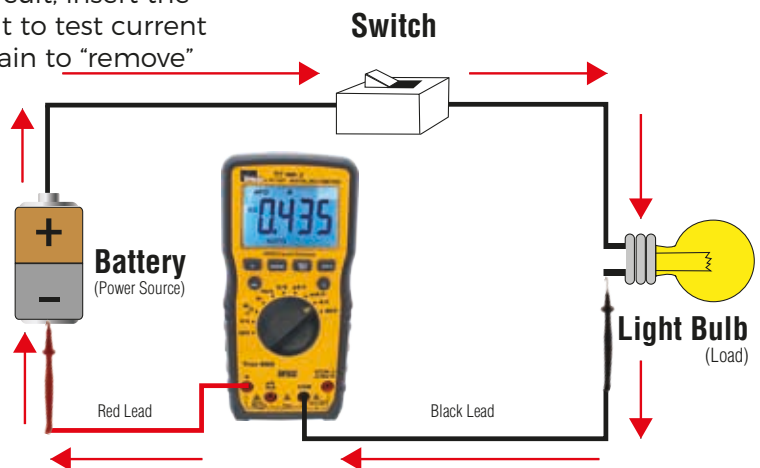
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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

- de-energise the circuit, disconnect the circuit, insert the meter in the circuit, re-energise 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)



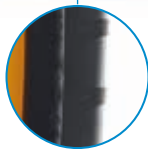
Temperature
(61-357, 61-347, 61-337)



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
CATIV 600V | CATIII 1000V



US LISTED



61-347

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



61-337

600V Auto Range
4000 Count Display
Multimeter w/NCVT & Temp
CATIII 600V



US LISTED



61-327

600V Manual Range
4000 Count Display
Multimeter w/ NCVT
CATIII 600V

ACCESSORIES



TL-757

Test Leads



UMHS-757

Universal Magnetic
Hanging Strap



F-347-357P

11A (1000V) & 600mA (1000V)
Fuses for 61-357 & 61-347



F-337P

10A (600V) & 400mA (600V)
Fuses for 61-337



TC-757

Thermocouple







C-357

Nylon Carrying Case

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



DIGITAL MULTIMETERS FEATURES

| DIGITAL MULTIMETER SELECTION GUIDE FOUR NEW MULTIMETERS |  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, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, 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 | 4000 |
| 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) | TC-757 | TC-757 | TC-757 | - |

* Go to idealind.com for complete warranty information
Specifications are subject to change without notice.

VOLTAGE TESTERS



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

FEATURES



61-557






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



TL-757
Test Leads



VOLTAGE TESTERS FEATURES

| VOLTAGE TESTER SELECTION GUIDE FOUR NEW NCVTS FOR 2021 |   61-557 |   61-547 |   61-090EU |
|---|---|---|---|
| | FEATURES | | |
| CAT Rating (Safety) | CAT IV 600V | CAT III 600V | CAT III 1000V |
| Listing Preferred | cULus, CE, UKCA | cULus, CE, UKCA | UL, CE, UKCA |
| Drop Protection | 6.6 ft. (2m) | 6.6 ft. (2m) | — |
| Ingress Protection | IP42 | IP42 | — |
| AC Voltage (Volts) | 6 ~ 600 | 24 ~ 600 | 24 ~ 600 |
| DC Voltage (Volts) | 6 ~ 600 | 12 ~ 600 | 6 ~ 220 |
| High Voltage Alarm | ACV >36 or DCV >50V | ACV/DCV >48V | — |
| Audible Continuity | ✓ | — | ✓ |
| Visual Continuity | ✓ | — | LED |
| Backlight | ✓ | — | — |
| Low Impedance (LoZ) | ✓ | — | ✓ |
| NCV | 90-600V AC | — | 40-600V AC |
| Auto Ranging | ✓ | — | ✓ |
| Magnetic Strap Mount | ✓ | ✓ | — |
| Test Probe Holder | ✓ | ✓ | — |
| Torch | ✓ | — | — |
| Auto-Power Off (APO) | ✓ | — | — |
| Low Battery Indicator | ✓ | — | ✓ |
| Battery Type (included) | 3 x 1.5V AAA | — | 4 x 1.5V AAA |
| LCD Display Count | 600 | — | — |
| Backlight | ✓ | — | — |
| DC Polarity Indication | ✓ | ✓ | — |
| Leads | Removable | Fixed | Removable |
| GFCI** Test | ✓ | — | — |
| Display | LCD | Neon Lamps | LED |
| Warranty | 2 Year* | 2 Year* | 2 Year* |
| ACCESSORIES | | | |
| Test Leads (included) | TL-757 | — | TL-102EU |
| Magnetic Hanging Strap (sold separately) | UMHS-757 | UMHS-757 | — |

* Go to idealind.com for complete warranty information
 ** Only applicable to the US market
 Specifications are subject to change without notice.



Probe Holders
 are spaced to test tamper resistant outlets
 (61-557 & 61-547)



Continuity Testing
 (61-557)



Backlit Display and Torch
 (61-557)



NCVT
 in tip detects presence of AC voltage
 (61-557)



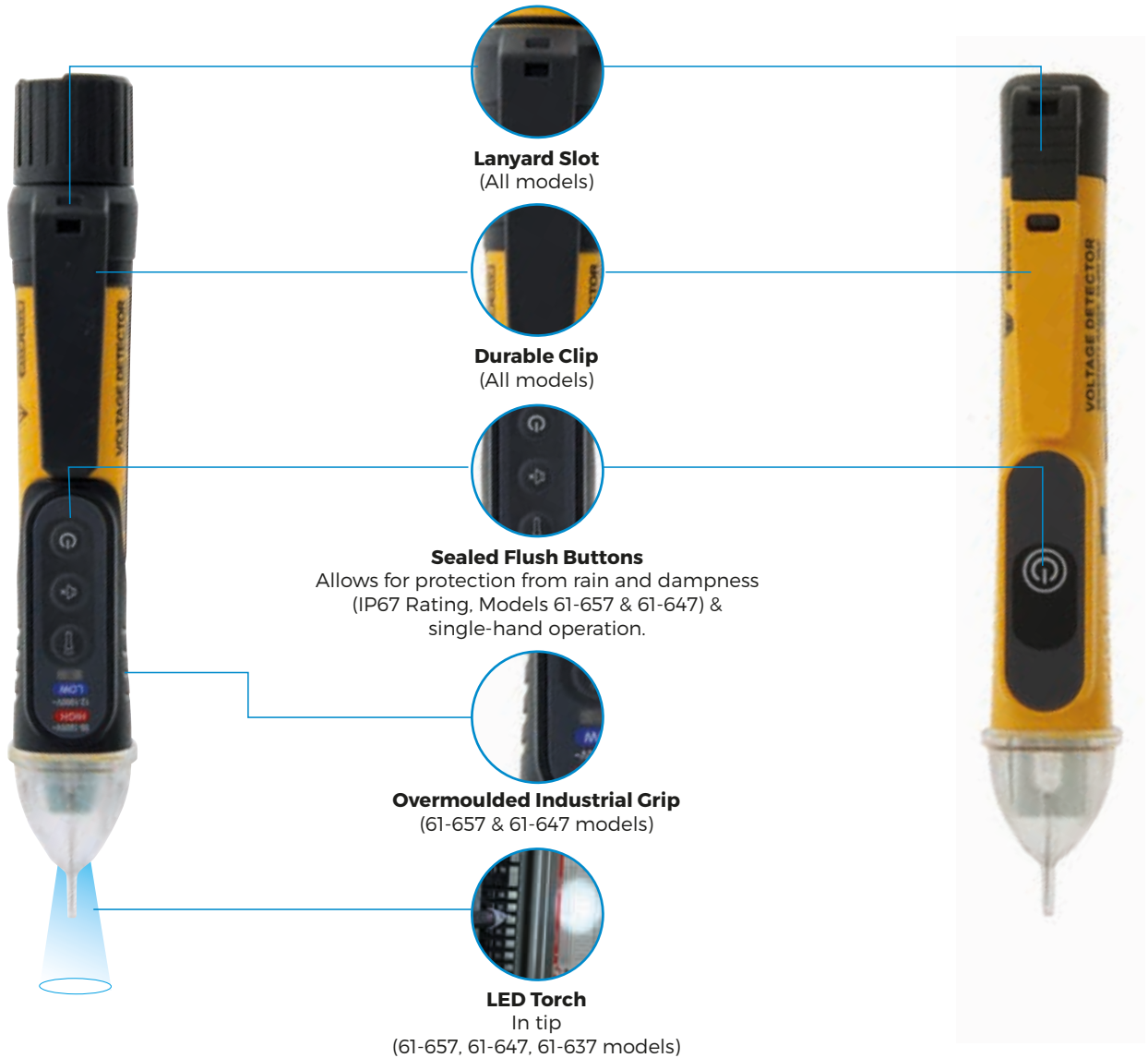
Tests GFCI**
 protected circuits
 (61-557)



LoZ
 option to eliminate ghost voltage
 (61-557)

NON-CONTACT VOLTAGE TESTERS

FEATURES



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

NON-CONTACT VOLTAGE TESTERS FEATURES



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

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

61-637
Single Range
24 to 600V AC
NCVT w/Torch
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 |
|--|---|---|--|---|
| FEATURES | 61-657 | 61-647 | 61-637 | 61-627 |
| CAT Rating (Safety) | CAT IV 1000V | CAT IV 1000V | CAT IV 600V | CAT IV 600V |
| Listing | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM | cULus, CE, UKCA, RCM |
| Voltage Sensing Range | 12 ~ 1000V AC | 50 ~ 1000V AC | 24 ~ 600V AC | 50 ~ 600V AC |
| Dual Range | ✓ | — | — | — |
| Torch | ✓ | ✓ | ✓ | — |
| 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 Disable | ✓ | ✓ | ✓ | — |
| 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 | 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* |

* Go to idealind.com for complete warranty information
 Specifications are subject to change without notice.

SPECIALITY TESTERS

DIGITAL LIGHT METER



61-686
Digital Light Meter

| LIGHT METER SELECTION GUIDE |  |
|---|---|
| FEATURES | 61-686 |
| 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* |

* Go to idealind.com for complete warranty information
 Specifications are subject to change without notice.

INFRARED THERMOMETERS

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



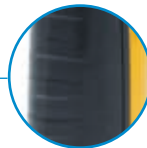
FEATURES



Dual Laser Targeting

61-847

Dual Laser Targeting
12:1 Infrared Thermometer



Overmoulded Industrial Grip



Single Laser Targeting

61-827

Single Laser Targeting
10:1 Infrared Thermometer



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.

INFRARED THERMOMETER SELECTION GUIDE

NEW



NEW



61-847

61-827

FEATURES

| | 61-847 | 61-827 |
|---------------------------------------|-------------------------------|------------------------------|
| 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° to 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 | 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* |

* Go to idealind.com for complete warranty information
Specifications are subject to change without notice.

TEST LEAD SELECTION GUIDE



for this **TESTER**

▶ use these **TEST LEADS**

61-737 | 61-747 | 61-757
Digital Clamp Meters



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



61-405 | 61-415
Digital Split Jaw Meters



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



61-557
Voltage Tester



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



61-327 | 61-337
61-347 | 61-357
Digital Multimeters



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



61-744
Clamp-Pro™ 600A
Clamp Meter



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



61-765
660A Clamp Meter
61-775
1000A Clamp Meter



▶ **TL-757**
Test Lead Set



TR-955
Transmitter for
SureTrace™ Circuit
Tracers



▶ **TL-958UK | TL958EU**
Test Lead Set



REPLACEMENT PARTS SELECTION GUIDE

| SELECTION GUIDE | | | 300 | | | | 500 | | 00 | 730 | 740 | 750 | 760 | 770 | 950 |
|----------------------------|--|-------------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| | | | 61-327 | 61-337 | 61-347 | 61-357 | 61-547 | 61-557 | 61-090EU | 61-737 | 61-744 | 61-747 | 61-757 | 61-765 | 61-775 |
| FUSES | | | | | | | | | | | | | | | |
| F-337P | 400mA (600V) | 6.5 x 32mm | | • | | | | | | | | | | | |
| | 10A (600V) | 10 x 38mm | | • | | | | | | | | | | | |
| F-347-357P | 600mA (1000V) | 6.5 x 32 mm | | | • | • | | | | | | | | | |
| | 11A (1000V) | 10 x 38mm | | | • | • | | | | | | | | | |
| BATTERIES | | | | | | | | | | | | | | | |
| | AA | | | | | | | | | | | | | | • |
| — | 1.5V (AAA) | | • | • | • | • | | • | | • | • | • | • | | |
| — | 9V | | | | | | | | | | | | • | • | |
| TEST LEADS | | | | | | | | | | | | | | | |
| TL-102EU | GS38 compliant Test Leads | | | | | | | | • | | | | | | |
| TL-757 | Universal Test Leads & Alligator Clips | | • | • | • | • | • | • | | • | • | • | • | • | • |
| TL-958UK TL-958EU | Test Lead Set | | | | | | | | | | | | | | • |

CARRYING CASES



C-90
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

| Selection Guide | | 300 | | | | 400 | | | 700 | | | | 740 | 760 | 770 |
|-----------------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| | | 61-327 | 61-337 | 61-347 | 61-357 | 61-405 | 61-415 | 61-727 | 61-737 | 61-747 | 61-757 | 61-744 | 61-765 | 61-775 | |
| C-90 | Nylon Carrying Case | | | | | | | | | | | • | | | |
| C-357 | Nylon Carrying Case | • | • | • | • | | | | | | | | | | |
| C-760 | Nylon Carrying Case | | | | | | | | | | | • | • | | |
| C-757 | Nylon Carrying Case | | | | | • | • | • | • | • | • | | | | |
| C-770 | Nylon Carrying Case | | | | | | | | | | | | | • | |

ACCESSORIES

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

ACCESSORIES



F-347-357P
11A (1000V) & 600mA (1000V)
Fuses for 61-357 & 61-347



F-337P
10A (600V) & 400mA (600V)
Fuses for 61-337



TL-958UK | TL-958EU
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.

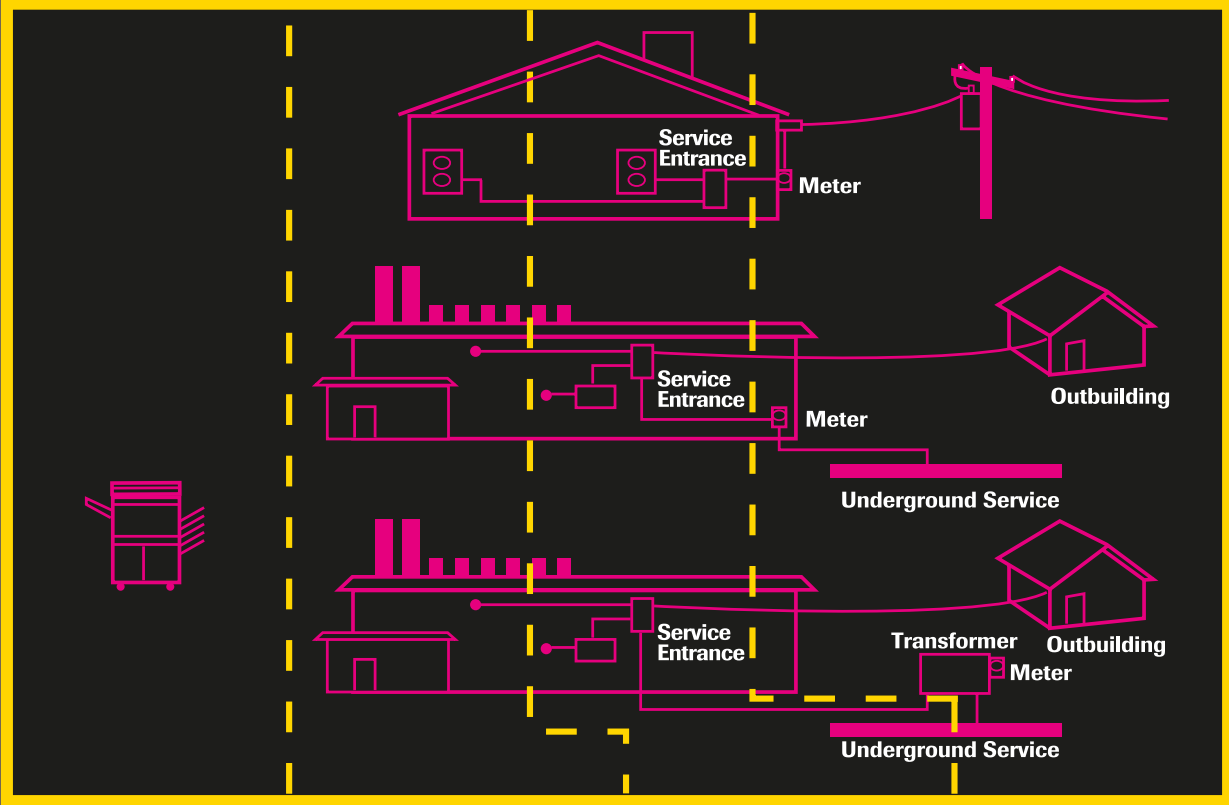


Category III – The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.



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

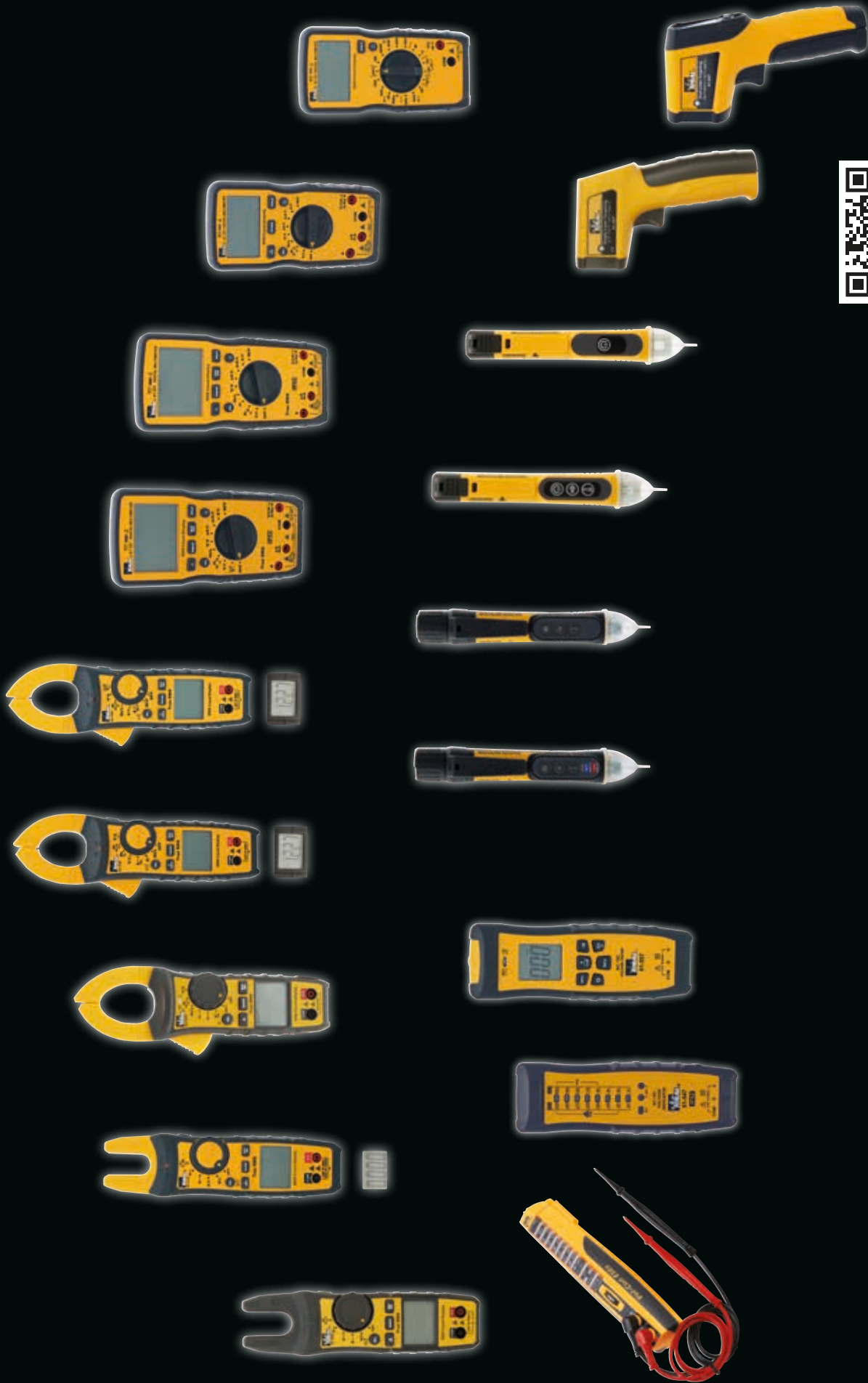
- Outlets and long branch equipment
- All outlets at more than 10m (30 ft) from Category III source
- All outlets at more than 20m (60 ft) from Category IV source

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



A DIVISION OF



IDEAL INDUSTRIES, INC.

IDEAL INDUSTRIES EMEA, Unit 3, Europa Court, Europa Boulevard, Warrington, WA5 7TN, UK

+44 (0)1925 444 446 | +49 (0)32221098955 | +33 (0)1 70 77 83 20 | eur.sales@idealindustries.com | www.idealind.com

International offices: Australia | Canada | China | India | Mexico | UK

For complete sales office contact information, visit us at idealindustries.com.



Scan here to visit us at idealind.com

8/21 Printed in U.K.
Form No. P-6043EMEA
©2021 IDEAL INDUSTRIES, INC.