

TEST & MEASUREMENT

CATALOGUE



THE ELECTRICIAN'S
CHAMPION™



For over 90 years, IDEAL INDUSTRIES, INC. has been enhancing the productivity and safety of electricians 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 TRACERS	2-4
CIRCUIT BREAKER FINDERS	5-6
CIRCUIT ANALYZER	7-8
CLAMP / FORK METERS	
Clamp Meters	9-14
Fork Meters	11-14
DIGITAL MULTIMETERS	15-18
VOLTAGE / CONTINUITY TESTERS	19-20
RECEPTACLE TESTERS	21-22
NON-CONTACT VOLTAGE TESTERS	23-25
INFRARED THERMOMETERS	26
SPECIALTY TESTERS	
3-Phase	27-28
Insulation	27-28
Ground Resistance	27-28
Digital Light Meter	27-28
ACCESSORIES	
Test Leads	29-30
Carrying Cases	31
Replacement Parts	32



Scan with your
smartphone to see a
video and learn more

SURETRACE™

CIRCUIT TRACER

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

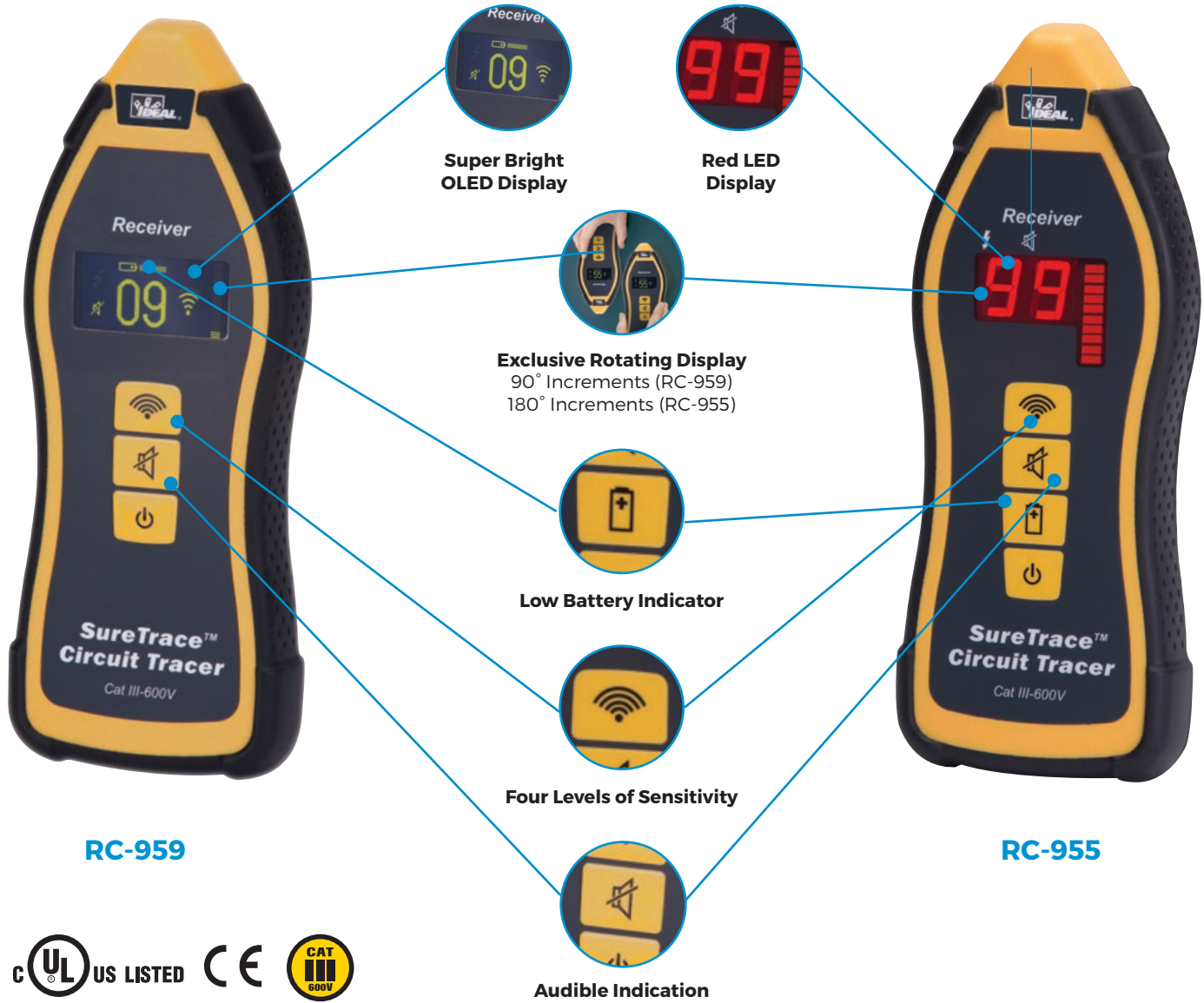


Scan with your smartphone to see a video and learn more

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



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™
(TR-955)



⚡ 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.



Energized



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 with your smartphone to see a video and learn more

FEATURES

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

Non-Contact Voltage Tester

LED Indicators

Audible Tone

Polarity & Live Circuit Indication

61-534
Circuit Breaker Finder
with Digital Receiver

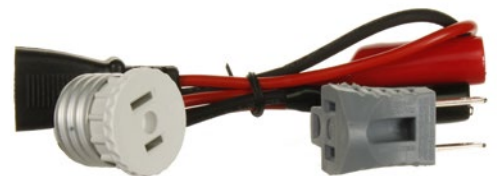
61-532
Transmitter for 61-532
120V AC Circuit Breaker Finder

Live Circuit Indication



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



NEW

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	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
---	---------	---------

SURETEST[®]

CIRCUIT ANALYZER

FEATURES



Scan with your smartphone to see a video and learn more

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



1607104

IDEAL INDUSTRIES, INC.
Sycamore, IL USA

SureTest[®] Circuit Analyzer

100 - 240 Volts AC 45 - 65Hz
3 Watts Average

UL LISTED
100% COMPLIANT
1808

Patent US 4,857,862
Other Patents Pending
Made in the USA
of global components Call 811-3079

WIRING INDICATOR H G N

Correct Wiring	● ● ●
Open Ground	● ● ●
Reverse Polarity	✱ ● ✱
Open Hot	● ● ●
False Ground	● ● ●

Lamp On = ●
Lamp Off = ● Lamp Flashing = ✱



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

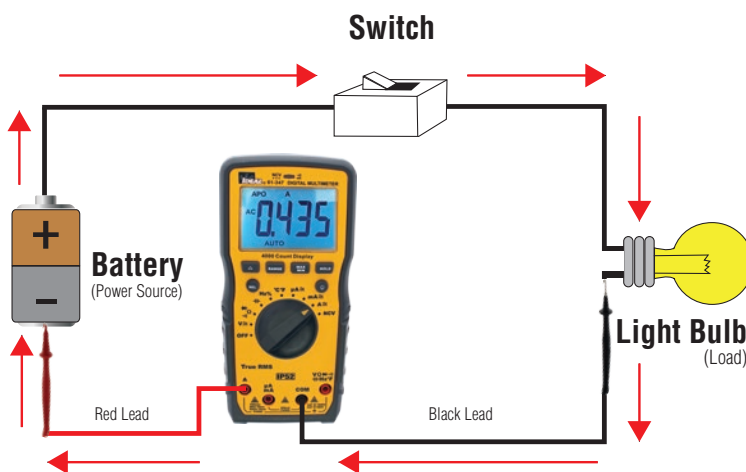
No Fuse Protection required

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

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.



Scan with your smartphone to see a video and learn more



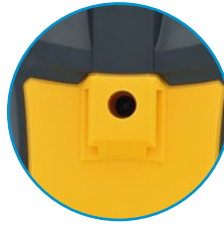
Non-Contact Voltage Tester
Screen displays
Electromagnetic Field (EF)



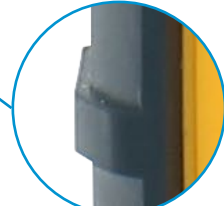
Flashlight



Built-In Probe Tip Holder



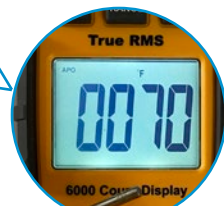
Universal Magnetic Strap Clip



Overmolded Industrial Grip
2M Drop (model specific)



TightSight® End Display



Backlit Displays



61-757 | 61-747



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.



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

61-415



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			 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, 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	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)	40M Ω	40M Ω	60M Ω	60M Ω
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	—	400.0 μ F	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	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.

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:

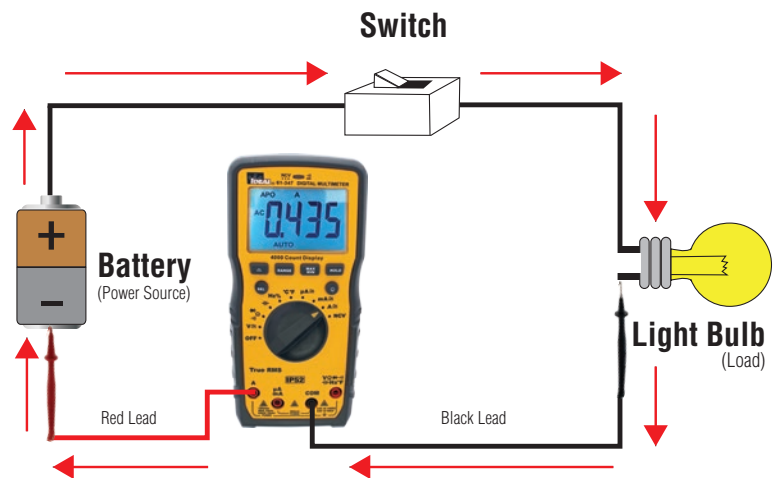
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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



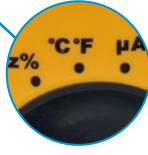
Non-Contact Voltage, High Voltage, Visual Indications, Augment Audible Indication
(61-357, 61-347, 61-337)



Backlit Display
(all models)



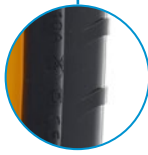
Probe Holder Storage
All Models



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



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



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
CATIII 600V



61-327

600V Manual Range
Multimeter w/ NCVT CATIII 600V

ACCESSORIES



TL-757
Test Leads



UMHS-757
Universal Magnetic
Hanging Strap



TC-757
Thermocouple



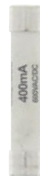
C-357
Nylon Carrying Case



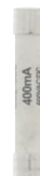
F-11A-347357
Fuse for 61-357 & 61-347



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



F-10A-337
Fuse for 61-337



F-400mA-337
Fuse for 61-337



Scan with your
smartphone to see a
video and learn more

DIGITAL MULTIMETERS SELECTION GUIDE

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 with your smartphone to see a video and learn more



61-557



Non-Contact Voltage



Audible Indication
for NCV, Continuity &
High Voltage



Backlit Display



**Universal Magnetic
Strap Clip**



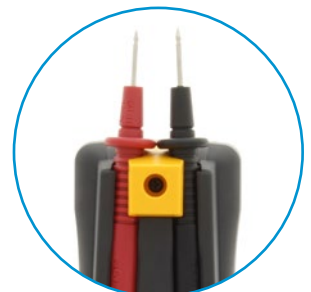
LoZ
Eliminates Ghost
Voltage



**Probe Holder
for Storage**



GFCI Test



TL-757
Test Leads



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

VOLTAGE TESTERS SELECTION GUIDE



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	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

FEATURES



Scan with your smartphone to see a video and learn more



Digital Voltage Readout
Provides Voltage Level at Outlet



GFCI Test w/Indicator Light



Green Lights
Indicate Correct Wiring



Red Lights
Indicate Incorrect Wiring



On/Off Button
Confirms Tester is Working



LEDs Easily Visible
Plugged in or rotated to fit receptacles.

RECEPTACLE TESTER SELECTION GUIDE



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

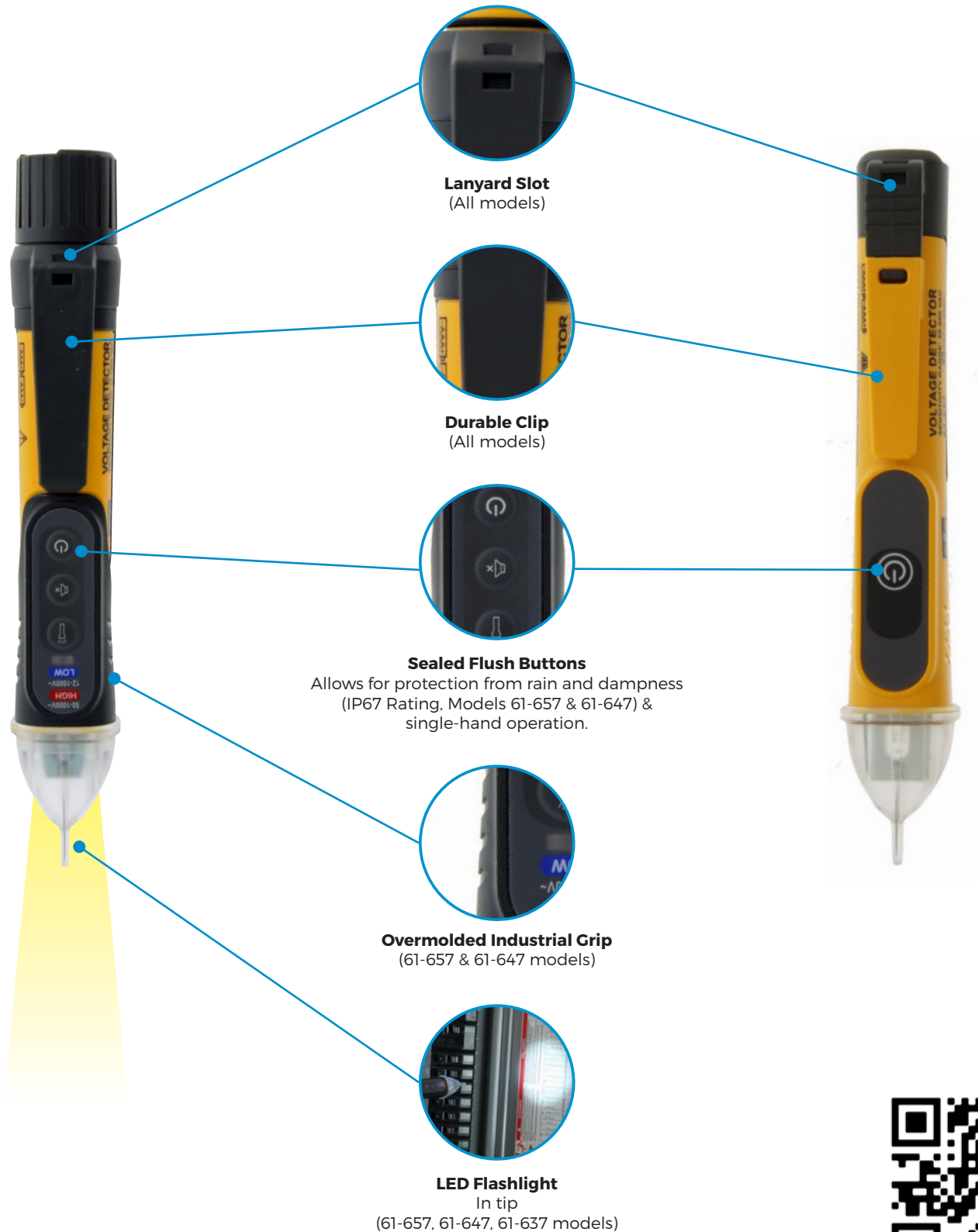


RECEPTACLE TESTER SELECTION GUIDE	61-517	61-051	61-035	61-501
FEATURES				
Voltage Rating	120V AC	120V AC	120V AC	120V AC
Polarity Indication	✓	✓	✓	✓
GFI Trip	✓	✓	—	✓
UL Listed	✓	✓	✓	✓
Made in the USA	—	✓	✓	—
Premium Neon Lamps	—	✓	✓	✓
LCD Display	✓	—	—	—
Warranty	2-Year*	2-Year*	2-Year*	1-Year

Specifications are subject to change without notice.

NON-CONTACT VOLTAGE TESTERS

FEATURES



Scan with your smartphone to see a video and learn more

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 SELECTION GUIDE

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	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 with your smartphone to see a video and learn more



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		
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° - 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*

Specifications are subject to change without notice.

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

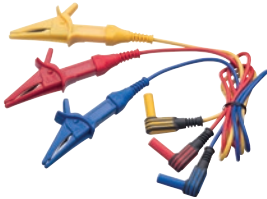


61-686
Digital Light
Meter



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

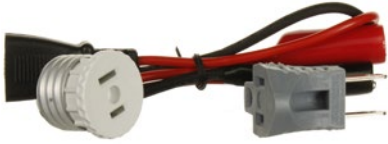
LIGHT METER FEATURES	61-686
FEATURES	
Four Measurement Ranges	Up to 20,000 Foot Candles or 200,000 Lux
Data and Max Hold Modes	✓
Auto Zero Adjust	✓
Low Battery Indication	✓
Auto Power Off	✓
Remote Sensor w/59" attached Coiled Cable	✓
Warranty	2-Year*



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

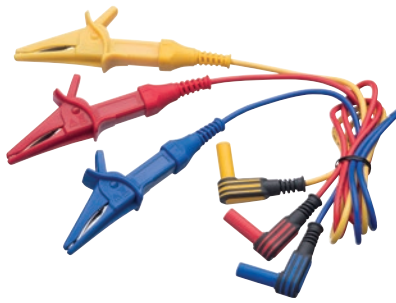
NEW



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)



TLF-014
Fused Test Lead Kit
Compatible with all testers

Replacement fuses **TLF-001**
(500mA/1000V, Pack of 2)



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 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 61-775 1000A Clamp Meter</p> 	▶	<p>TL-757 Test Lead Set</p> 	
<p>61-795 Insulation Tester</p> 	▶	<p>TL-795 Premium Test Leads w/Alliga- tor Clips</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



NEW

C-357
Nylon Carrying Case



NEW

C-757
Nylon Carrying Case



61-010
Heavy Duty Leather Case

Selection Guide		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
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															✓	
61-010	Heavy Duty Leather Case	✓	✓														

REPLACEMENT PARTS SELECTION GUIDE

SELECTION GUIDE		060	070	300				400	500				730	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																											
TLF-014	Fused Test Lead Kit			✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓					✓	
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.

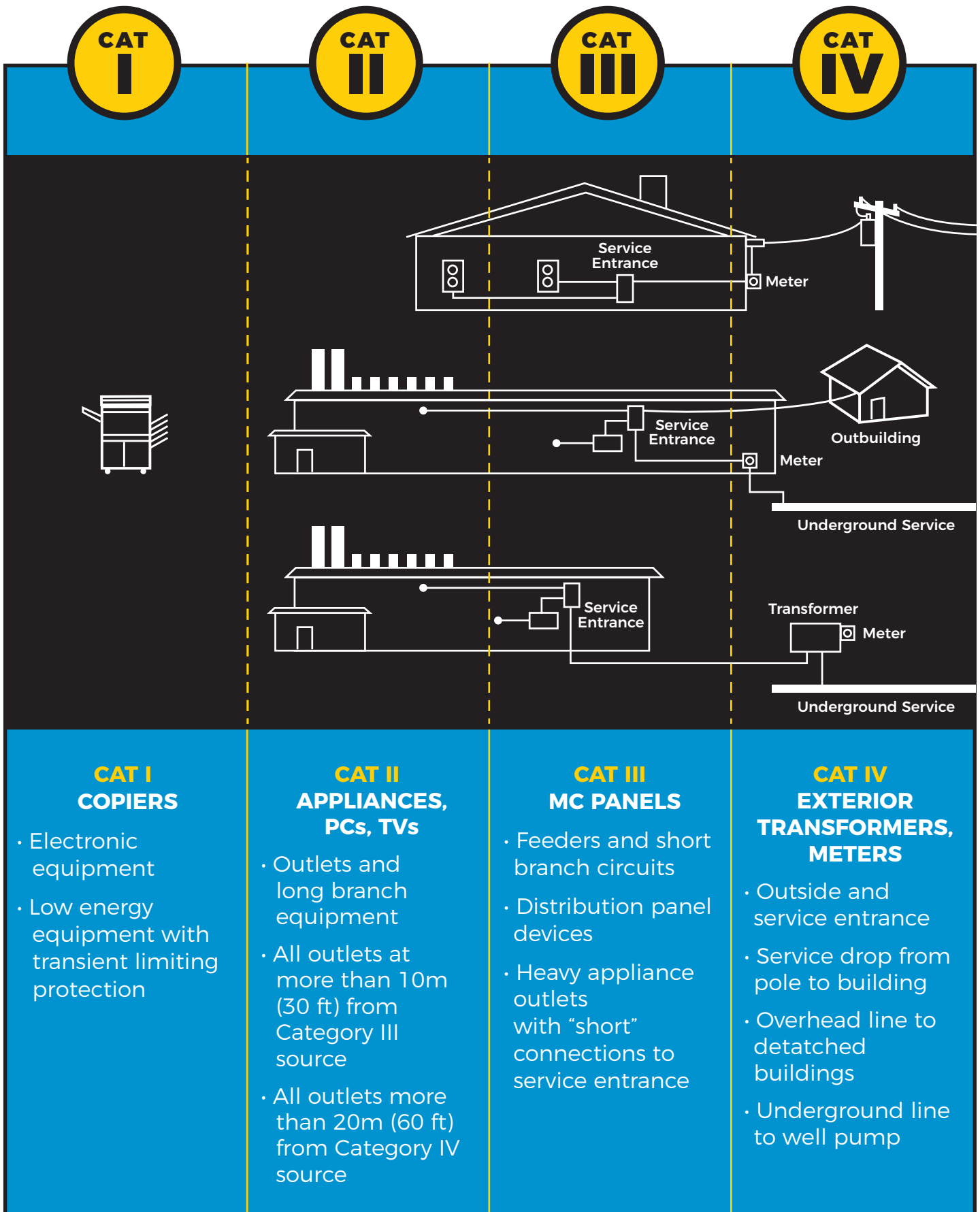


Category III – The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.



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.





Scan here to visit us at idealind.com



P-6043 (5-21)
©2021 IDEAL INDUSTRIES, INC.

IDEAL CUSTOMER SERVICE:
orderdesk@idealindustries.com
1-800-824-3325
www.idealind.com

THE ELECTRICIAN'S
CHAMPION™

