



IDEAL TEST & MEASUREMENT

CATALOG



IDEAL

1.800.561.8187

www.**itm**.com

information@itm.com



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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SURETRACE™

CIRCUIT TRACER

Your IDEAL troubleshooting solution.

Designed **to find** everything, while saving you time and money.

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



Receiver

09

Super Bright OLED Display

Exclusive Rotating Display
90° Increments (RC-959)
180° Increments (RC-955)

Four Levels of Sensitivity

Audible Indication

Low Battery Indicator

RC-959



Receiver

99

Red LED Display

Low Battery Indicator

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™
(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



US LISTED



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

FEATURES

GFCI Trip



Transmitter for #61-534

GFCI Trip

Wiring Indications

CORRECT WIRING

Non-Contact Voltage Tester



Non-Contact Voltage Tester

LED Indicators



LED Indicators

Audible Tone



Audible Tone

Polarity & Live Circuit Indication



Polarity & Live Circuit Indication

61-534



IDEAL
#61-534
Circuit Breaker Finder
with Digital Receiver

61-532



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

Live Circuit Indication



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		
		
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



61-164
Circuit Analyzer



True RMS
Line Voltage



Displays Voltage Drop
at 12, 15 & 20 Amps



Displays Impedance
of hot, neutral & ground



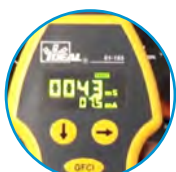
Displays H N G
polarity



Detects and Displays
false or "bootleg"
ground



Displays
neutral to ground voltage



Trips GFCI
at 6mA or 30mA



Estimated Load
on Line in Amps

CIRCUIT ANALYZER SPECIFICATIONS

Click anywhere on the page for more product information.

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:

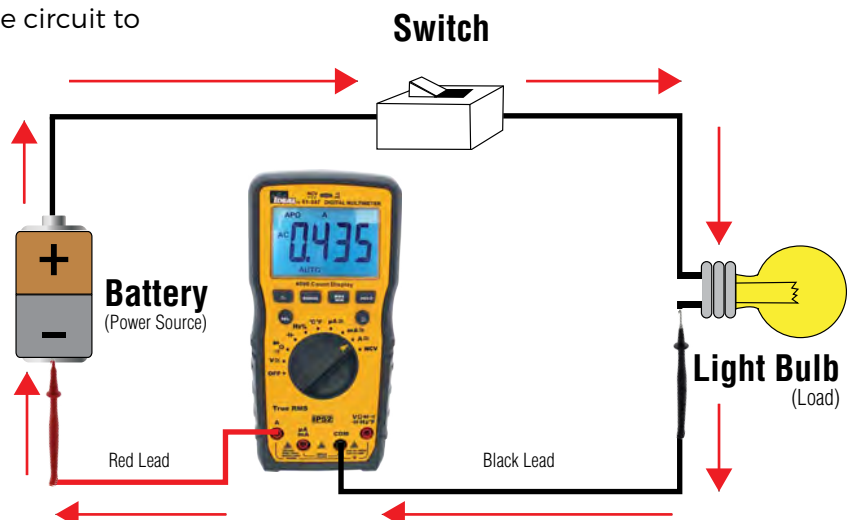
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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

FEATURES



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



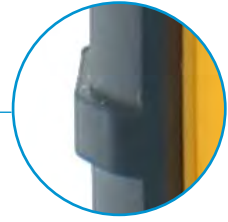
Flashlight



Built-In Probe Tip Holder



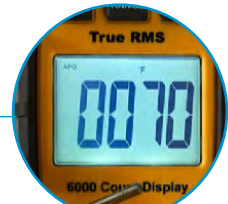
Universal Magnetic Strap Clip



Overmolded Industrial Grip
2M Drop (model specific)



61-757 | 61-747



Backlit Displays

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



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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
600A AC Clamp-Pro™
Clamp Meter
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)	—	—	✓	—
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 (TL-757)	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	1000V	1000V
DC Voltage (Volts)	600V	600V	1000V	1000V
AC Current (Amps)	600A	400A	200A	200A
DC Current (Amps)	—	—	200A	—
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 (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)	—	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:

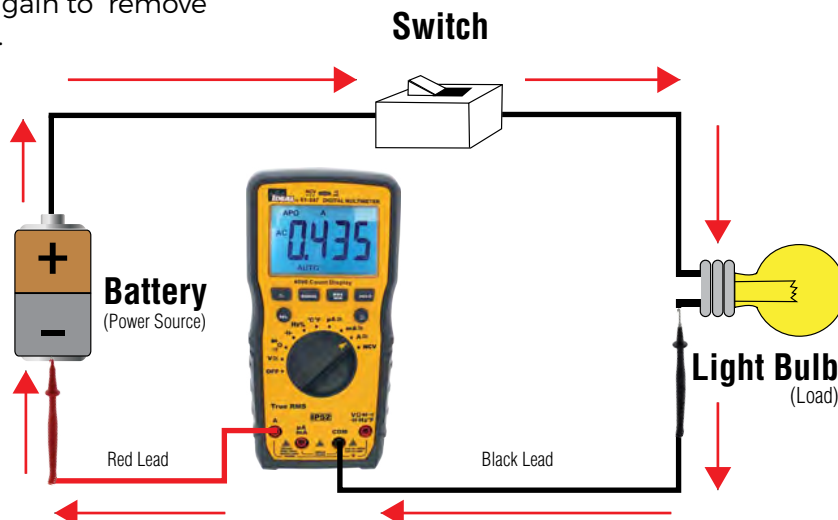
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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)



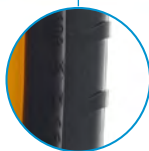
Temperature
(61-357, 61-347, 61-337)



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



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



US LISTED



US LISTED

ACCESSORIES



TL-757
Test Leads



UMHS-757
Universal Magnetic
Hanging Strap



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



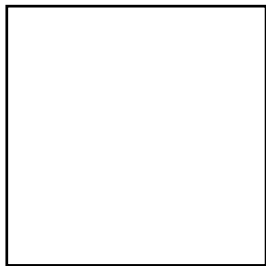
F-337P
10A (600V) & 400mA (600V)
Fuses for 61-337



TC-757
Thermocouple



C-357
Nylon Carrying Case



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)	60M Ω	60M Ω	40M Ω	4M Ω
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 μ F	6000 μ F	4000 μ F	—
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 (TC-757)	Included	Included	Included	—

Specifications are subject to change without notice.

VOLTAGE TESTERS

FEATURES



61-557



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	✓	—	✓	—
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.

1.800.561.8187

www.itm.com

information@itm.com

RECEPTACLE 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



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



61-035
E-Z Check®
Circuit Tester



61-501
GFCI Receptacle
Tester

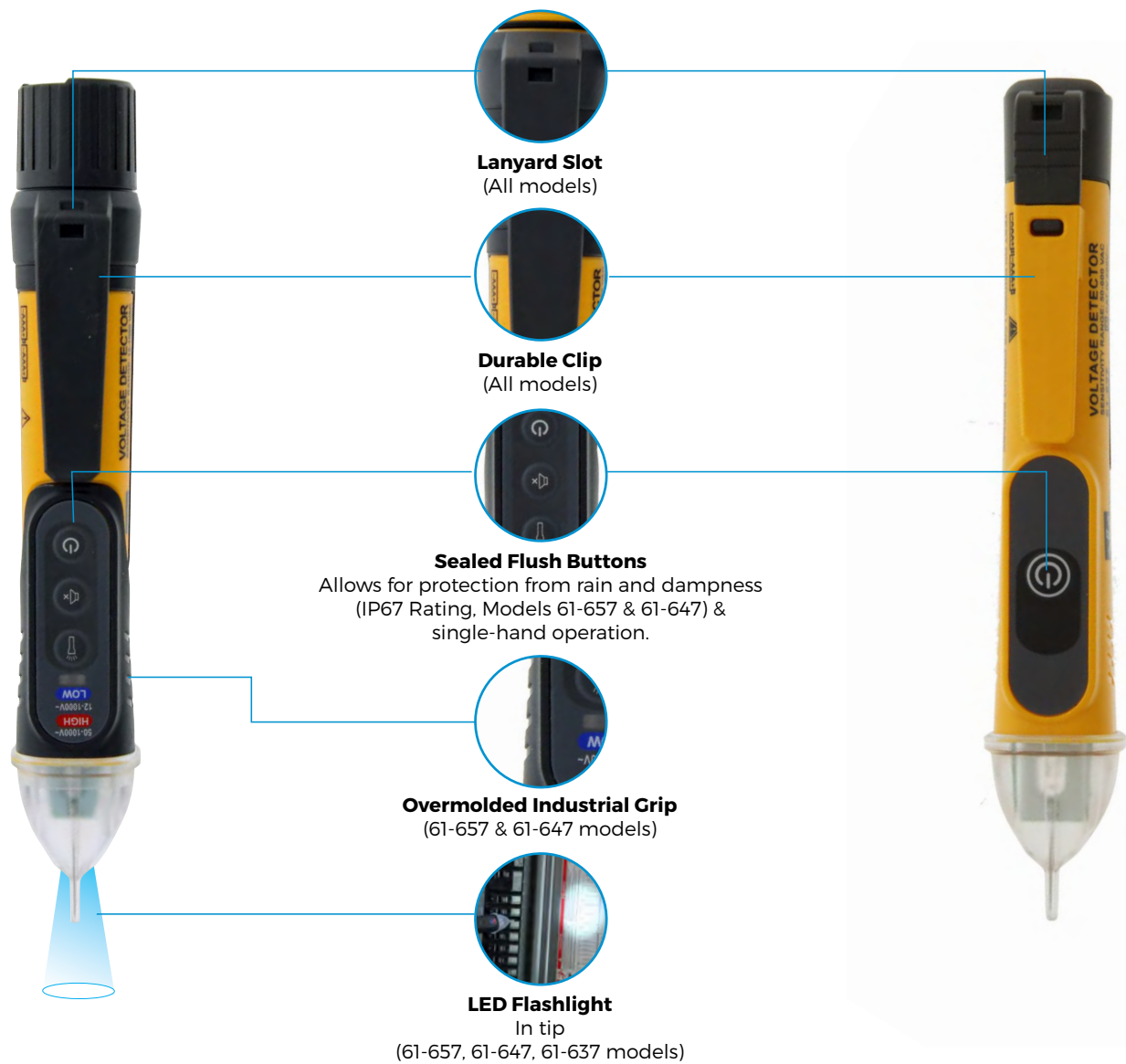


RECEPTACLE TESTER SELECTION GUIDE				
	NEW			
FEATURES	61-517	61-051	61-035	61-501
Voltage Rating	120V AC	120V AC	120V AC	120V AC
Polarity Indication	✓	✓	✓	✓
GFI Trip	✓	✓	—	✓
UL Listed	✓	✓	✓	✓
Made in the USA	—	✓	✓	—
Premium Neon Lamps	—	✓	✓	✓
LCD Display	✓	—	—	—
Warranty	2-Year*	2-Year*	2-Year*	1-Year

Specifications are subject to change without notice.

NON-CONTACT VOLTAGE TESTERS

FEATURES



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.



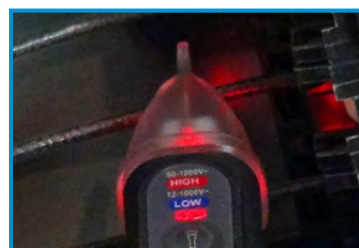
Standard Voltage Range
Indicated by a Red LED



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



61-847
Dual Laser Targeting
12:1 Infrared Thermometer



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		
	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° 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 (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	0.01 Ω - 200.0 Ω	0.01 Ω - 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

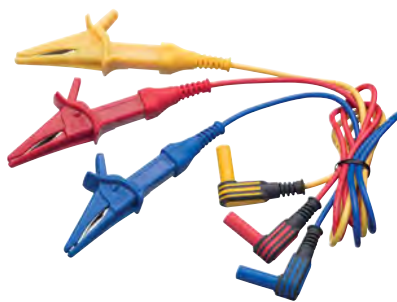
NEW



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



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



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

TEST LEAD SELECTION GUIDE

for this **TESTER**

use these **TEST LEADS**

61-065 Vol-Test® Voltage Tester 61-076 Vol-Con® Voltage/ Continuity Tester		61-070 Standard Vol-Con® Test Leads		UMHS-757 Magnetic Strap	
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	
61-521 3-Phase/Motor Rotation Tester		TL-521 Test Lead Set			
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			
61-795 Insulation Tester		TL-795 Test Leads w/Alligator Clips Premium			
61-796 3-Pole Ground Resistance Tester		TL-796 Earth Resistance Lead Set			
61-797 Insulation Tester		TL-795 Test Leads w/Alligator Clips Premium		TL-797RP Remote Probe Test Lead	
TR-955 Transmitter for SureTrace™ Circuit Tracers		TL-956 Test Lead Set			

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 Size: 8"x3"x1.5" (215mmx76mmx38mm)				•													
C-90	Nylon Carrying Case Size: 8.4"x3.1"x1.1" (213mmx79mmx28mm)	•	•													•		
C-290	Nylon Carrying Case Size: 8.25"x4.5"x2.0" (215mmx115mmx55mm)																	•
C-357	Nylon Carrying Case Size: 8.5"x5.74"x2.5" (210mmx125mmx55mm)					•	•	•	•									
C-760	Nylon Carrying Case Size: 9.1"x3.8"x1.5" (232mmx95mmx38mm)															•		
C-757	Nylon Carrying Case Size: 10.5"x4.5"x2.5" (280mmx110mmx55mm)									•	•	•	•	•	•			
C-770	Nylon Carrying Case Size: 11.25"x4.5"x2.25" (280mmx110mmx52mm)																•	

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
FUSES																									
F-105	1A (600V)	10.3 x 35mm																							
	0.5A (500V)	6.35 x 32mm																							
F-340																									
F-341	10A (1000V)	10 x 38mm																							
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																							
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.



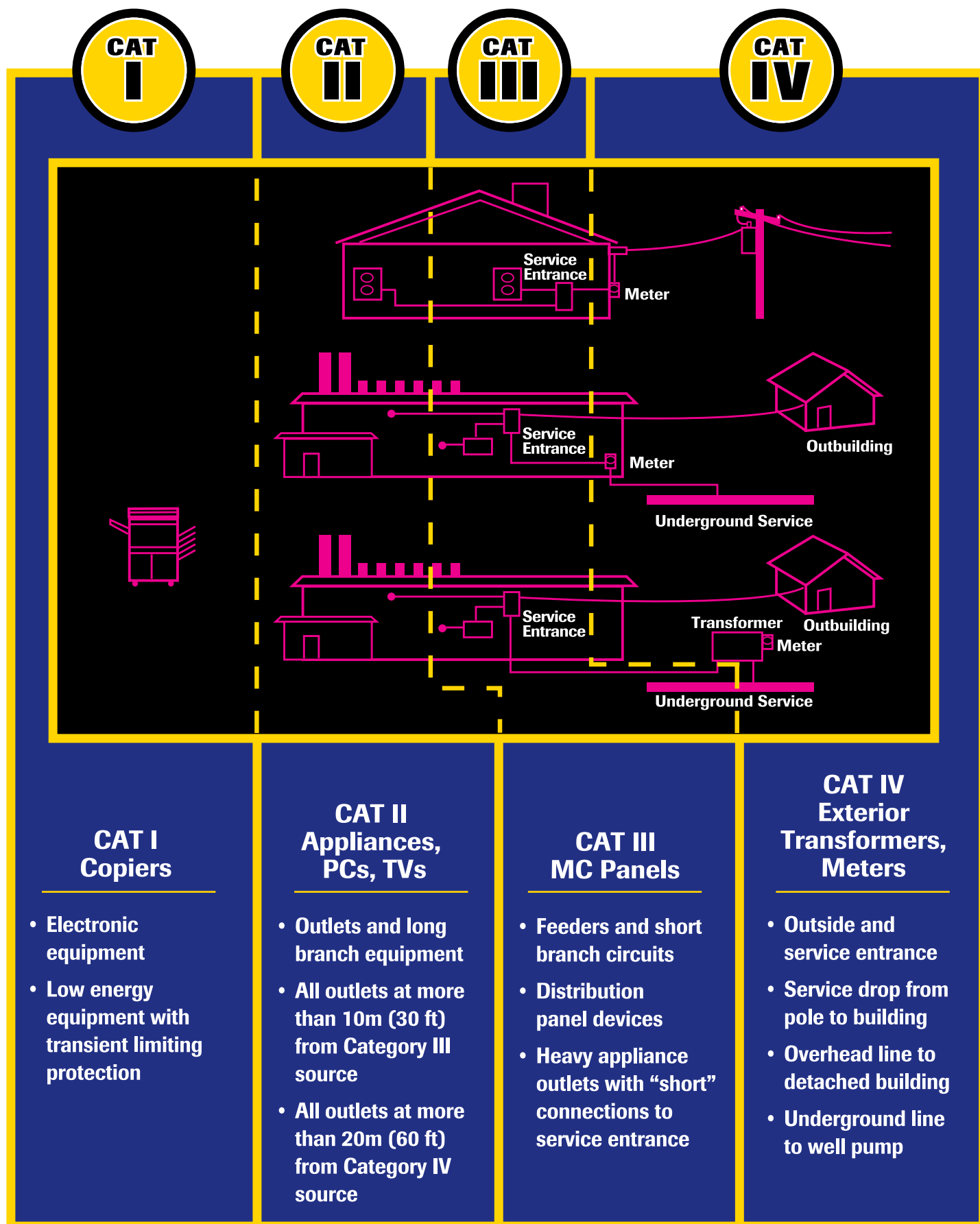
Category II – The local level for fixed and non-fixed powered devices including appliances, lighting and portable equipment. Outlets located more than 30 feet from CAT III sources and 60 feet from CAT IV sources. Peak impulse transient range is from 600-6,000 volts with a 12 ohm source.

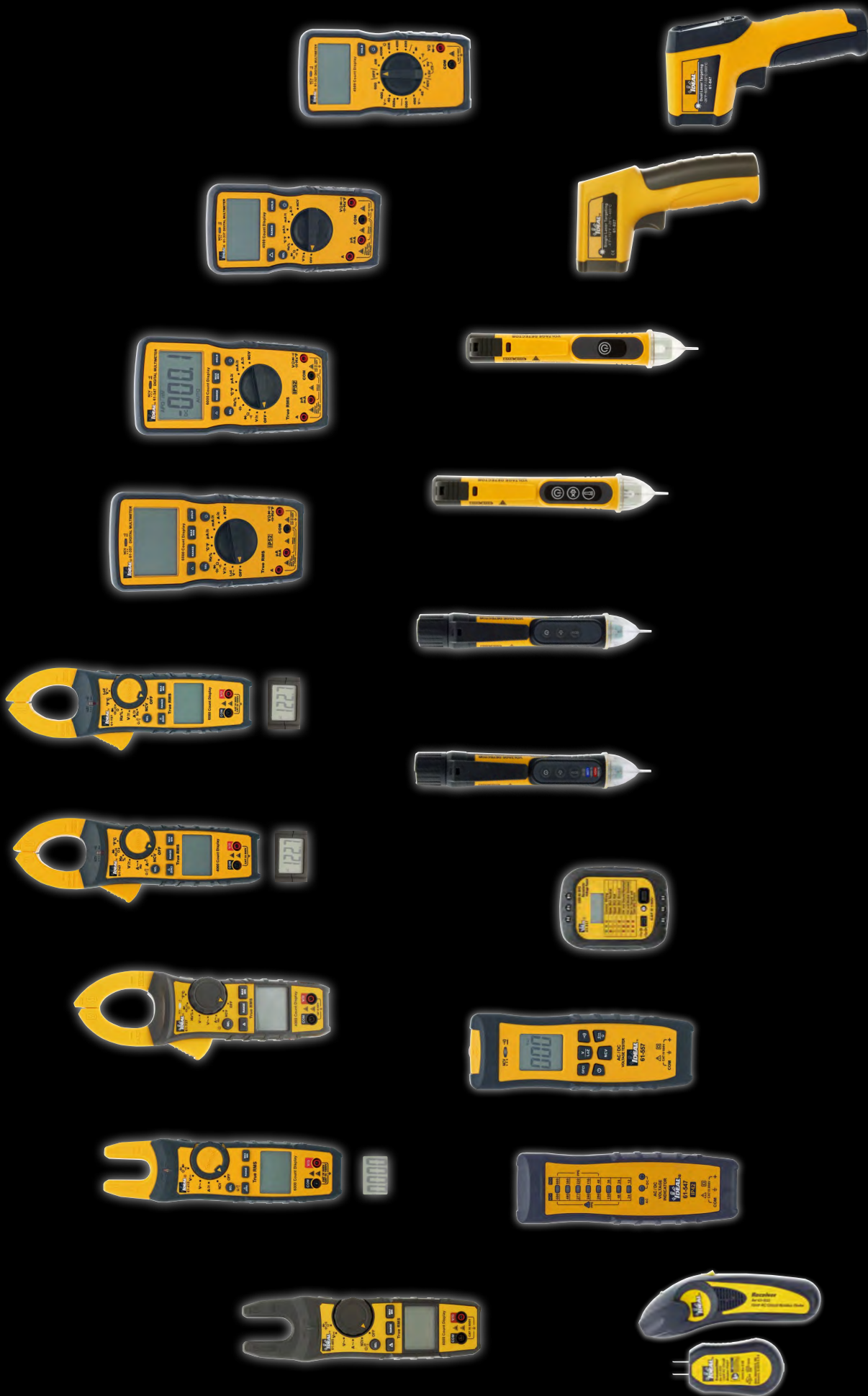


Category III – The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.



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.





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