



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. We released a new line of testers with the professional electrician in mind a few years ago and are continuously updating our range. Check out our new additions in this catalogue.

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Scan this QR code to learn more about the new line of IDEAL Electrical testers.

SURETRACE™

CIRCUIT TRACER

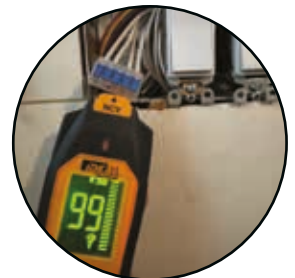
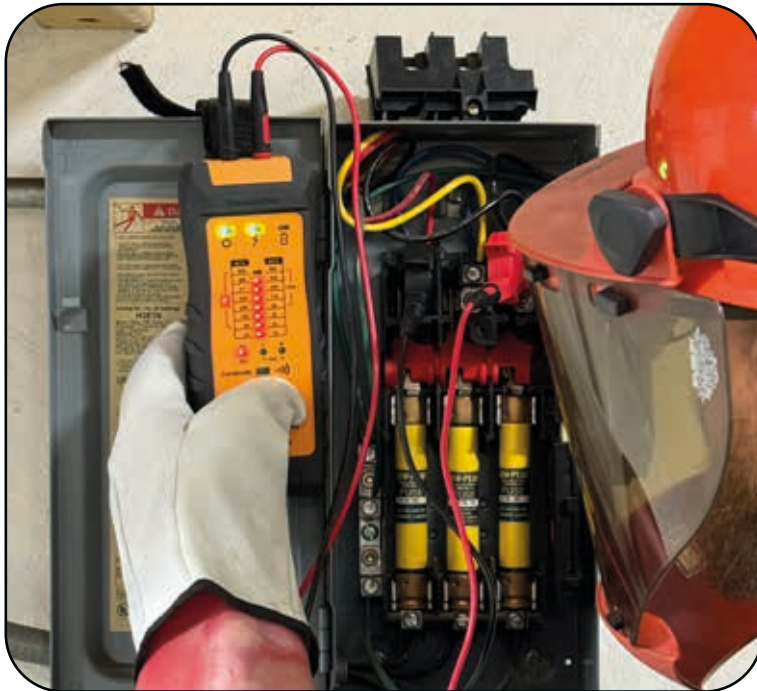


Scan this QR code to learn more about the SureTrace Circuit Tracers.

The IDEAL® 61-946EU SureTrace™ and 61-948EU SureTrace™ Plus Circuit Tracers are tools that are used to find Opens, Shorts, Splicing errors, conductor locations behind walls and underground, as well as identifying fuses and breakers.

NEW

The transmitter emits a specific signal onto an electrical conductor and the receiver senses the presence and strength of that signal allowing its location to be traced or identified.



Key Features

- Numeric value and variable audible tone for easy-to-understand tracing
- Super-bright displays and TightSight® for easy-viewing on model 61-948EU. Worklights, model 61-948EU
- Peak detecting bar graph for instantaneous signal strength indication
- Identifies breakers and fuses
- Patent pending automatic continuity check (TR-948)
- Pinpoints opens and shorts
- Traces wires behind walls
- Can be used on de-energised/energised circuits from 0-480V (61-946EU) or 0-600V AC/DC (61-948EU)
- Will not affect RCD's (GFCI's) or other sensitive equipment on the line
- Low battery indication
- CAT III-480V safety rating ETL Listed for 61-94EU6 | CAT III-600V safety rating ETL Listed for 61-948EU
- CertainCircuit Breaker Confirmation
- Live voltage level and value indication*
- Polarity Indication and closed circuit indication*
- 2 Meter Drop Protection



**SureTrace Plus
video**



**SureTrace
video**



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.



SURETRACE™ KIT OPTIONS

	61-946 SureTrace™ Circuit Tracer 0-480V AC/DC	61-948 SureTrace™ Plus Circuit Tracer 0-600V AC/DC
	<p>Residential Commercial</p>	<p>Commercial Industrial</p>
Transmitter*	<p>TR-946</p> <ul style="list-style-type: none"> • CAT III 480V, range 0-480V AC/DC • Indicators: Power, energised circuit, CertainCircuit™, battery level • Kickstand • Magnetic hanging strap clip (sold separately, UMHS-757) 	<p>TR-948</p> <p>Voltage Level Indicator Continuity Test</p> <ul style="list-style-type: none"> • CAT III 600V, range 0-600V AC/DC • Indicators: AC/DC voltage and DC polarity, power, energised circuit, battery level • Voltage level indicator and continuity test • Kickstand • Magnetic hanging strap clip (sold separately, UMHS-757)
Receiver	<p>RC-946</p> <ul style="list-style-type: none"> • Single LED screen with backlight • Displays: Signal strength, sensitivity level, energised circuit, CertainCircuit™, peak signal strength and battery level • Functions: Sensitivity setting, mute, Backlight, on/off 	<p>RC-948</p> <ul style="list-style-type: none"> • Dual high visibility displays, patented 180° main and TightSight® secondary displays • Displays: Signal strength, sensitivity level, energised circuit, peak signal, EF and NCV (when in NCV Mode) and battery level • Functions: Sensitivity setting, mute, NCV, on/off • Torch light function for use in poor lighting conditions
Leads/ Accessories	<p>Test Lead Set</p> <ul style="list-style-type: none"> • (1) Outlet plug adaptor (live and neutral only) • (2) Blade prongs, live and neutral (one pair) • (1) Ground prong • (2) Alligator clips • (2) 90 cm (3') lead adaptors 	
Case	<p>C-946</p> <ul style="list-style-type: none"> • Padded nylon pouch w/handle • Transmitter and receiver retained by straps • Side panel pockets for battery storage • Large pocket for lead/accessory storage 	<p>C-950</p> <ul style="list-style-type: none"> • Moulded hard case with handle and metal clips • Slots for transmitter, receiver and clamp • Side slot for battery storage • Large slots lead/accessory storage

IMPORTANT: This tracer is intended for use by qualified electricians. Follow local standards 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.

*The transmitter is to be used only on DC, or 50 or 60 Hz AC energised lines. Output from VFD's (variable frequency drive), shipboard voltage inverters or dimmers will damage the unit.



CATEGORY RATINGS

What is a category rating and why is it important?

Category Ratings define an environment in which a meter may be used to make a particular test.

These may range from inside a building at an outlet and even inside a piece of energised equipment like a copier, to an open panel inside a structure, or electrical equipment located outside at the service entrance and beyond towards the utility.

Dovetailed to this, is the voltage that may be encountered in that environment.

Voltage vs environments

It is common to find meter rating for CAT III 600 or even 1000 volts, and a very similar meter having a CAT IV 600 volts. If you look closely, you will typically notice a difference in size.

With a larger meter, you can design the layout of the components with more space between them which of course means more resistance against arcing from trace to trace or component to component and thus withstand higher voltages without failure to comply with the category rating test criteria.

As impulse energy travels down the power lines toward your structure, it encounters more and more resistance, impedance to the purists since this is alternating not direct current, and that increase in resistance, or attenuation, dampens the magnitude of the impulse down from higher to lower peak spike magnitudes.

More copper conductors in the form of wire, cable, electrical equipment and connections all add more and more resistance requiring lower category ratings the further into a structure that it proceeds.

This results in a changing requirement for the Category rating. Naturally, a CAT III or CAT IV can be used in a CAT II environment, but the reverse is not true.

You cannot safely use a CAT II meter in a CAT IV environment even if it has a voltage rating that can measure the expected voltage level.

Sources of these spikes can be lightning strikes, but many loads commonly found in factories, businesses and homes can also deliver unexpected surprises.

Motors which are starting or stopping, capacitors, fluorescent ballasts, switching of electrical gear on or off, are just a few examples of situations that can easily create spikes of several thousands of volts.

Category and Voltage Rating Combinations

To obtain a Category and voltage rating combination, a meter is subjected to repeated impulses of 6000, 8000, 10,000 and even 12,000 volts to ensure that it can withstand electrical impulse abuse and not create a safety hazard to the user.

It is not uncommon that a number of meters will be destroyed during this certification process. Some because the original design was not perfect, and in other cases meters are tested above and beyond design goals until they fail.

Design modifications are a part of the development of meters to ensure that they meet and exceed the manufacturers specifications. Ultimately this leads to verification that the meter not only meets the Category rating requirements but also results, with separate extensive testing a UL Listing.

Another very important point consider is this. Just like the well-known proverb, 'A chain is only as strong as its weakest link', so goes Category Ratings.

A meter may have a CAT IV 600 Volt rating, and have CAT IV 600 Volt leads attached, but remove just one of the protective caps off the end of a voltage probe, and now the measurement rating and therefore the environment in which you can use the meter is now Category II.

CHECK OUT PAGE 26 AND 27 FOR MORE DETAILS ON THE DEFINITIONS OF CAT 1, CAT II, CAT III AND CAT IV PLUS SAFETY IN THE FIELD.



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:

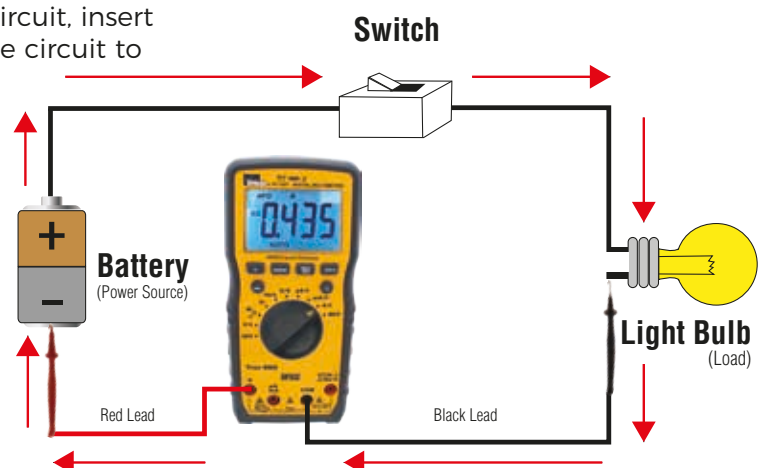
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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

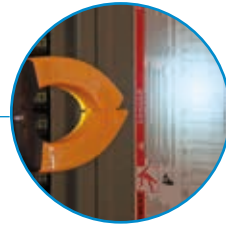
Scan this QR code to learn more about the testers.



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)



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.



US LISTED

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



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 & Torch
CAT III 600V



61-737
400A AC Clamp Meter
4000 Count w/Backlight
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)	—	—	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	—	—	✓	✓
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	Included	Included	Included	Included

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

CLAMP METER SPECIFICATIONS

CLAMP METER SELECTION GUIDE		 NEW	 NEW
	61-744	61-737	61-415
FEATURES			
CAT Rating (Safety)	CAT III 600V	CAT III 600V	CAT IV 600V CAT III 1000V
Listing	cULus, CE, UKCA, RCM	cULus, CE, UKCA, RCM	cULus, CE, UKCA, RCM
Drop Protection		3.3 ft. (1m)	6.6 ft. (2m)
Clamp/Jaw Opening	1.45 in. (36.5mm)	1.4 in. (35.5mm)	0.75 in. (19mm)
AC Voltage (Volts)	600V	600V	1000
DC Voltage (Volts)	600V	600V	1000
AC Current (Amps)	600A	400A	200
DC Current (Amps)	—	—	200
Ohms (Resistance)	40MΩ	40MΩ	60MΩ
AC Millivolts	—	4000	✓
DC Millivolts	—	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	—
Low Impedance (LoZ)	—	—	—
NCV	70-600V	40-600V	40-600V
Auto Ranging	✓	✓	✓
Range Hold	✓	✓	✓
Data Hold	✓	✓	✓
Relative	—	✓	✓
Diode Test	—	✓	✓
Capacitance Test	—	400.0μF	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
Bottom LCD Display	—	—	✓
LCD Display Count	4000	4000	6000
Warranty	2-Year*	2-Year*	2-Year*
ACCESSORIES			
Leads, Case & Batteries	Leads only	Included	Included
Thermocouple	—	Included	—

* 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:

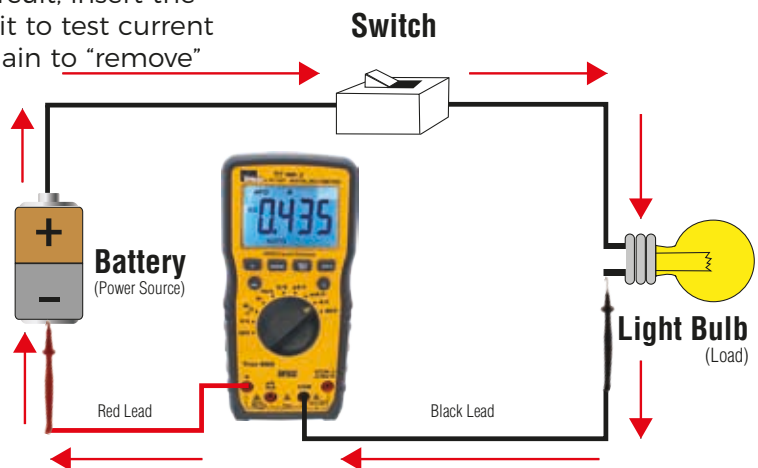
- You must insert the multimeter into the circuit to get the current to flow THROUGH the meter and are making direct contact with the live circuit.

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)



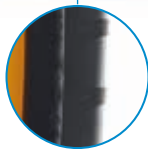
Temperature
(61-357, 61-347, 61-337)



Probe Holder Storage
All Models



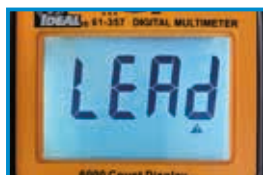
Universal Magnetic Strap Clip
All Models



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



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



ACCESSORIES



TL-757
Test Leads



UMHS-757
Universal Magnetic
Hanging Strap



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



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



F-400mA-337
Fuse for 61-337



TC-757
Thermocouple





C-357
Nylon Carrying Case

Scan this QR code
to learn more about
the testers.



DIGITAL MULTIMETERS FEATURES

DIGITAL MULTIMETER SELECTION GUIDE FOUR NEW MULTIMETERS	 NEW	 NEW	 NEW
	61-357	61-347	61-337
FEATURES			
CAT Rating (Safety)	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
Drop Protection	6.6 ft. (2m)	6.6 ft. (2m)	3.3 ft. (1m)
Ingress Protection	IP52	IP52	—
AC Voltage (Volts)	1000V	1000V	600V
DC Voltage (Volts)	1000V	1000V	600V
AC Current (Amps)	10A	10A	10A
DC Current (Amps)	10A	10A	10A
Ohms (Resistance)	60MΩ	60MΩ	40MΩ
AC Millivolts	6000	6000	4000
DC Millivolts	6000	6000	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
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
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
LCD Display Count	6000	6000	4000
Lead Warning	✓	✓	✓
Fuse Notification	✓	✓	✓
Bar Graph	✓	—	—
Battery Test	—	—	—
Warranty	2-Year*	2-Year*	2-Year*
Accessories			
Leads, Case & Temp. Sensor	Included	Included	Included

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

VOLTAGE TESTERS



Scan this QR code 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	 <div style="background-color: #0070C0; color: white; padding: 5px; display: inline-block;">NEW</div>
	   
FEATURES	
CAT Rating (Safety)	CAT IV 600V
Listing Preferred	cULus, CE, UKCA
Drop Protection	6.6 ft. (2m)
Ingress Protection	IP42
AC Voltage (Volts)	6 ~ 600
DC Voltage (Volts)	6 ~ 600
High Voltage Alarm	ACV >36 or DCV >50V
Audible Continuity	✓
Visual Continuity	✓
Backlight	✓
Low Impedance (LoZ)	✓
NCV	90-600V 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
LCD Display Count	600
Backlight	✓
DC Polarity Indication	✓
Leads	Removable
GFCI** Test	✓
Display	LCD
Warranty	2 Year*
ACCESSORIES	
Test Leads (included)	TL-757
Magnetic Hanging Strap (sold separately)	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



Continuity Testing



Backlit Display and Torch



NCVT
in tip detects presence of AC voltage



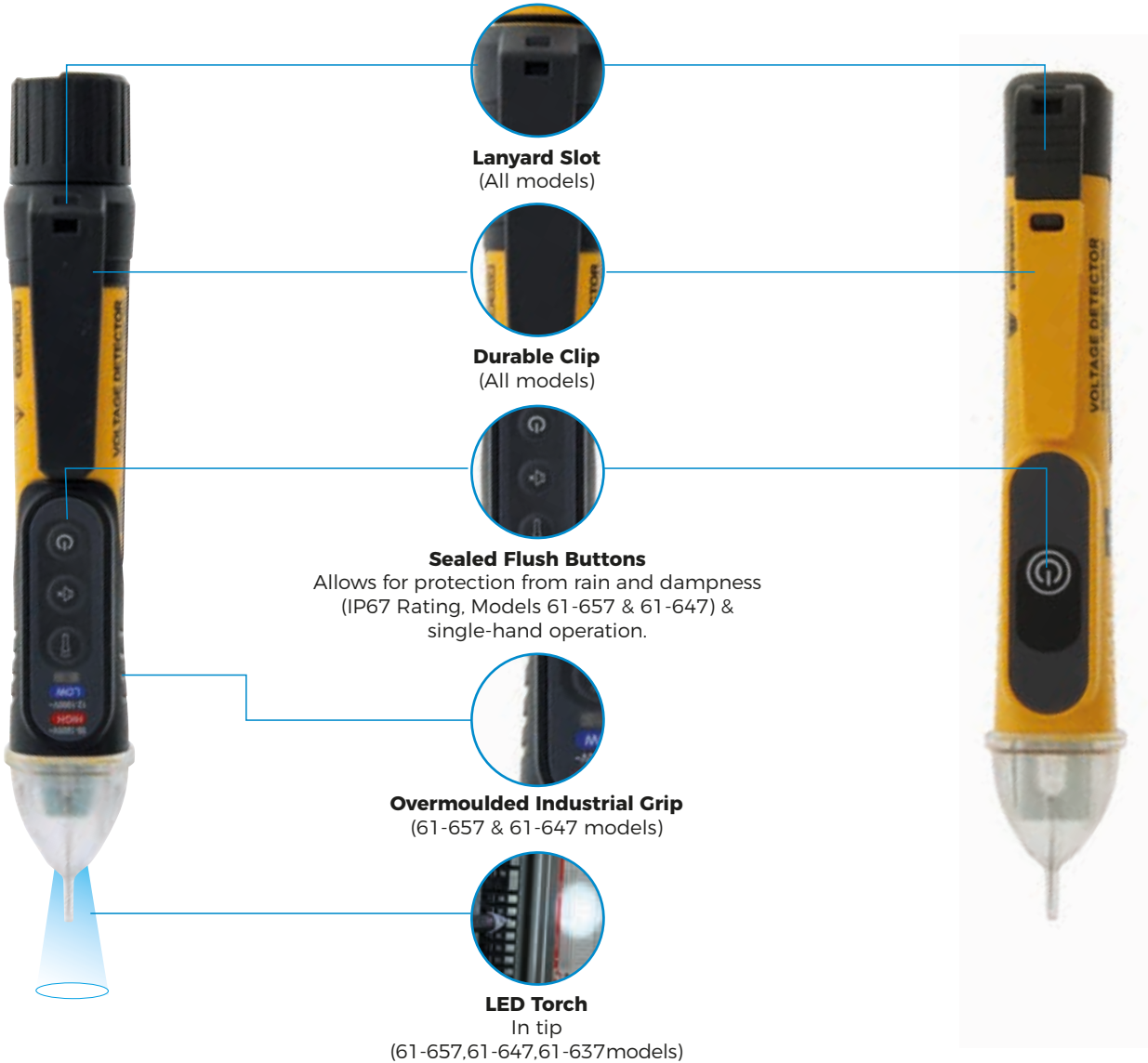
Tests GFCI**
protected circuits



LoZ
option to eliminate ghost voltage

NON-CONTACT VOLTAGE TESTERS

FEATURES



Scan this QR code 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 1000V

61-627
Single Range
50 to 600V AC
NCVT
CAT IV 1000V



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 1000V	CAT IV 1000V
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 ~ 1000V AC	50 ~ 1000V 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.



Read our FAQs here



INFRARED THERMOMETERS

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



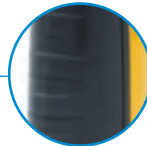
FEATURES



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



61-847

NEW



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° - 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.
VISIT IDEALIND.COM FOR WARRANTY DETAILS.

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



61-415
Digital Split Jaw
Meter



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



61-557
Voltage Tester



▶ **TL-757**
Test Lead Set



UMHS-757
Magnetic Strap



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		730	740		750	760	770	950
			61-337	61-347	61-357	61-547	61-557	61-737	61-744	61-747	61-757	61-765	61-775
FUSES													
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		•	•								
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
		61-337	61-347	61-357	61-415	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-337P

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



F-347-357P

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



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.

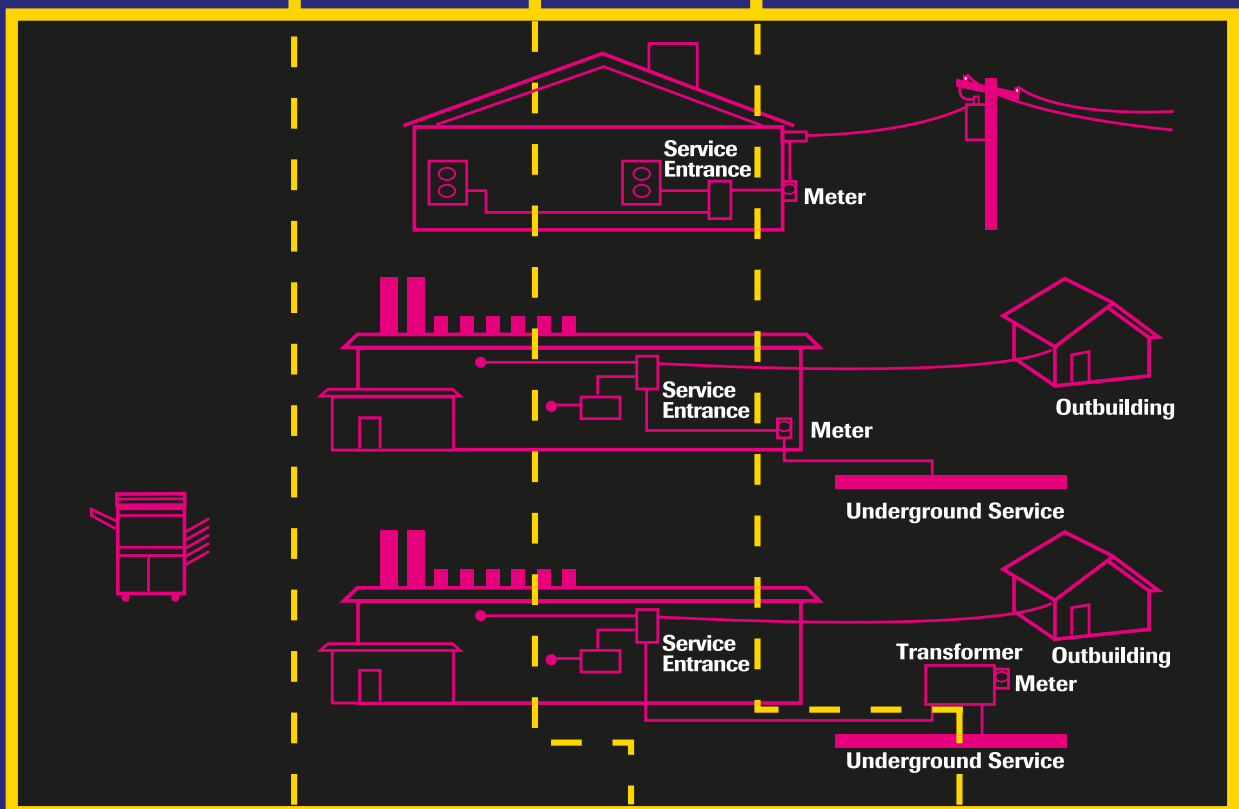


Category III – The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.



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

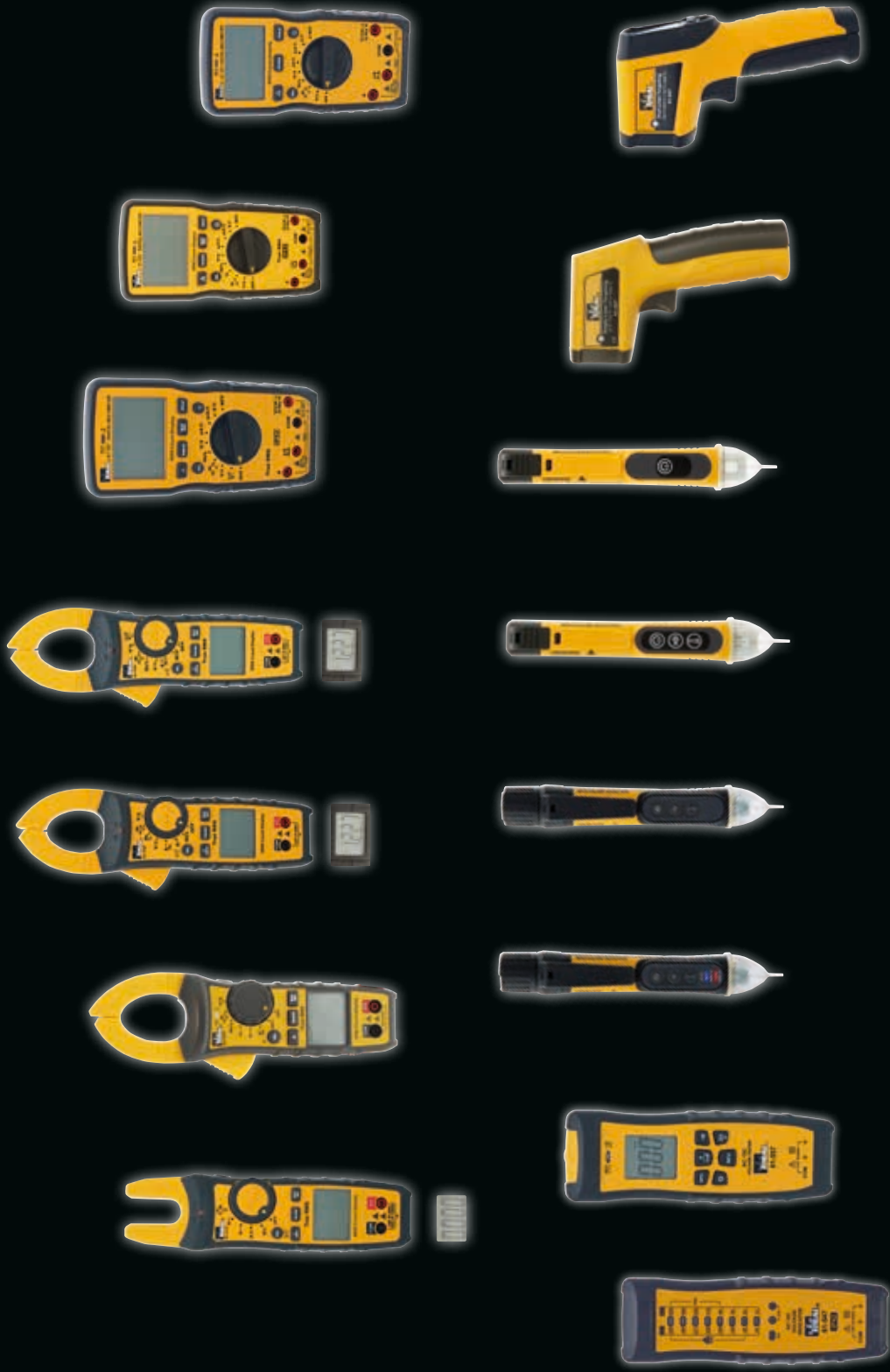
- Outlets and long branch equipment
- All outlets at more than 10m (30 ft) from Category III source
- All outlets at more than 20m (60 ft) from Category IV source

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



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