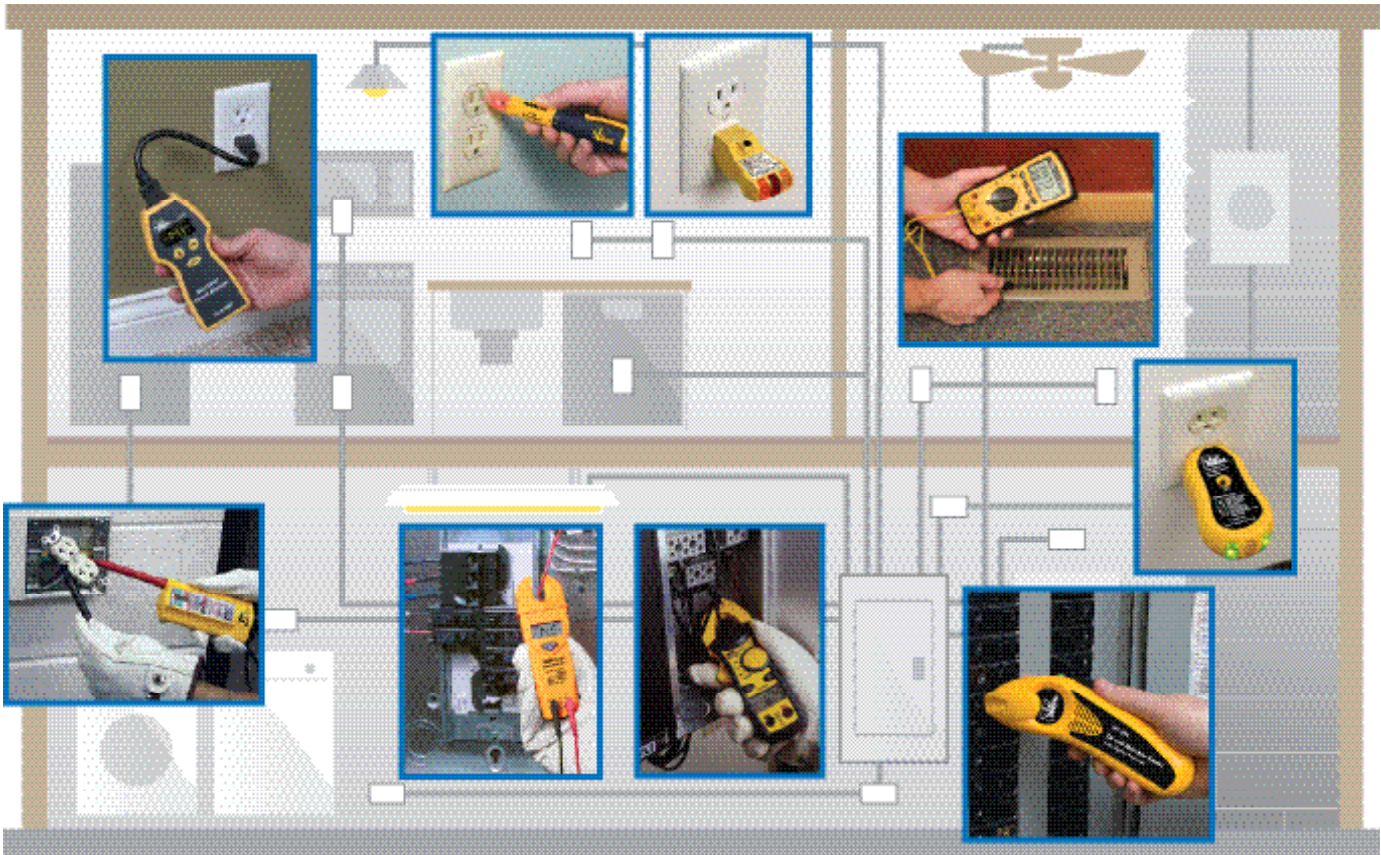


Branch Circuit Analysis and Testing

Proper wiring is crucial to ensure safety and performance of Branch circuits. From a safety perspective, shock hazards and fires are mainly due to poor installation or failure of protective devices, such as GFCIs. From a performance perspective, electrical equipment and high-tech devices are found everywhere in residential and commercial buildings. They require reliable power to operate and function properly to ensure their longevity.

IDEAL has a long history of providing the professional electrician with the tools and knowledge required to safely and efficiently verify and analyze Branch Circuits. So, whether you are; conducting routine measurements, testing installed devices or the integrity of a Branch Circuit, locating a breaker, or tracing wires, IDEAL has the tools for the job.



BRANCH CIRCUIT ANALYSIS & TESTING



Split-Jaw™ Smart Meter

- Measures
 - 0.9-200AAC
 - 1.3-750VAC
 - 2.1-1000VDC
 - 0.0-9999Ω
- Audible continuity
- Data hold
- Integral lead storage
- Replaceable test leads
- Auto power off
- Low battery indication
- Test leads IEC61010-031 compliant
- 2-year warranty



Description	Cat. No.
Split-Jaw™ Smart Meter	61-096

Includes: Test Leads.

Specifications	Range & Resolution	Accuracy
AC Voltage	1.3 - 750 V	1.5%
DC Voltage	1.8 - 1000 V 0.6 - 1000 V	1.0%
AC Current	0.6 - 200.0A	3.0%
Resistance	0 - 2000 Ω	1.0%

*Note: Jaw opening is 0.6 in. (16mm) - up to 1/0 copper cable.



Vol-Con® Elite Digital Voltage Tester

- Tests for AC Voltage from 24-600VAC
- Tests for DC Voltage from 6-220VDC
- Visual and audible warning
- Audible continuity
- Non-contact voltage indication (40-600VAC)
- Low impedance to eliminate ghost voltages
- Low battery indicator
- Replaceable silicone test leads (IEC61010-031 compliant)
- Integral lead storage
- 2-year warranty



Description	Cat. No.
Vol-Con® Elite Digital Voltage Tester w/vibration mode	61-092

Includes: Silicone Test Leads.



Solenoid Voltage Testers

- Extremely rugged and reliable
- Vibrates when AC voltage is present
- Indicates AC/DC voltage level
- Replaceable leads with shielded probe tips (IEC61010-031 compliant)
- Bright, long-life LED's and neon indicator lamp
- Dual voltage indication for backup safety
- 2-year warranty



Description	Cat. No.
Vol-Con® Voltage/Continuity Tester, 5-600V AC/DC	61-076
Vol-Test® Voltage Tester, 100-600V AC/DC	61-065

Includes: Test Leads.



Accessories, Carrying Cases Replacement Parts

Ground Continuity Adapter

- Verifies cabinet or equipment chassis has been properly bonded to system ground



Description	Cat. No.
Ground Continuity Adapter for 61-164 Circuit Analyzer	61-175

Isolated Ground Adapter

- Verifies receptacle is isolated from system ground and bonded to other devices on the branch circuit



Description	Cat. No.
Ground Continuity Adapter	61-176

Extension Cord

Description
1' Extension Cord



Description	Cat. No.
1' Extension Cord	61-182

Alligator Clip Adapter

- Allows SureTest® Circuit Analyzer to analyze non-outlet based circuit for branch circuit safety and performance



Description	Cat. No.
Alligator Clip Adapter	61-183

Thermocouple

- Measures up to 1500° F (816° C)
- K-type thermocouple plugs into digital multimeter voltage jacks with 61-465 adapter



61-461

61-465

Description	Cat. No.
Beaded K-type Thermocouple	61-461
Thermocouple Adapter	61-465
Replacement Thermocouple for 61-486 Digital Light Meter	TC-486

Magnetic Strap

- Frees up hands to help work safely
- Fits 480/340 Series Multimeters



Description	Cat. No.
Magnetic Strap	61-565



Test Leads

Description	Category Rating	Cat. No.
Silicone Test Leads	CATIII 1000V CATIV 600V	TL-102
Fused Test Leads w/alligator clips, 10A/600V	CATIII 1000V	TLF-252
Premium Test Leads w/alligator clips	CATIII 1000V CATIV 600V	TL-770

Replacement Parts Selection Guide

			090	340		480	700	740		760		770		790	
			61-096	61-340	61-342	61-486	61-704	61-744	61-746	61-763	61-765	61-773	61-775	61-795	61-797
Selection Guide															
FUSES															
F-1	0.5A (250V)	6.35 x 38mm													
F-105	1A (600V)	10.3 x 35mm													
F-310	250mA (250V)	5 x 20mm													
F-312	500mA (250V)	5 x 20mm													
F-314	10A (250V)	5 x 20mm													
F-340	0.5A (500V)	6.35 x 32mm		•	•										
F-341	10A (1000V)	10 x 38mm		•	•										
F-497	440mA (1000V)	10 x 35mm				•									
F-498	11A (1000V)	10 x 38mm				•									
F-797	315mA (1000V)	5 x 32mm													•
LA-3893	2A (600V)	6.35 x 25.4mm													
LA-3898	250mA (500V)	6.35 x 32mm													
BATTERIES															
61-201	1.5V (LR44)														
—	1.5V (AA)														
—	1.5V (AAA)							•	•					•	•
—	9V		•	•	•	•	•			•	•	•	•		
TEST LEADS															
TL-34	Leads w/pin connectors														
TL-56	Test leads														
TL-95	Test leads		•												
TL-102	Silicone test leads					•									
TL-310	Test leads														
TL-770	Test leads w/large alligator clips			•	•	•		•	•	•	•	•	•		
TL-795	Test leads													•	
TL-797	Test leads														•

Carrying Cases



Description	Cat. No.
Small Nylon Carrying Case w/four pockets	61-445
Nylon Carrying Case - for use with all Vol-Con® and Vol-Test® Voltage Testers	C-90
Nylon Carrying Case - for use with Digital Multimeters	C-290

Selection Guide	VOLTAGE TESTERS					160	340	480	700	740	760	770				
	61-065	61-076	61-086	61-092	61-096	61-164	61-340	61-342	61-486	61-704	61-744	61-746	61-763	61-765	61-773	61-775
61-179 Nylon Carrying Case						•										
C-90 Nylon Carrying Case	•	•	•	•	•						•	•				
C-290 Nylon Carrying Case							•	•	•							
C-700 Nylon Carrying Case										•						
C-760 Nylon Carrying Case													•	•		
C-770 Nylon Carrying Case															•	•