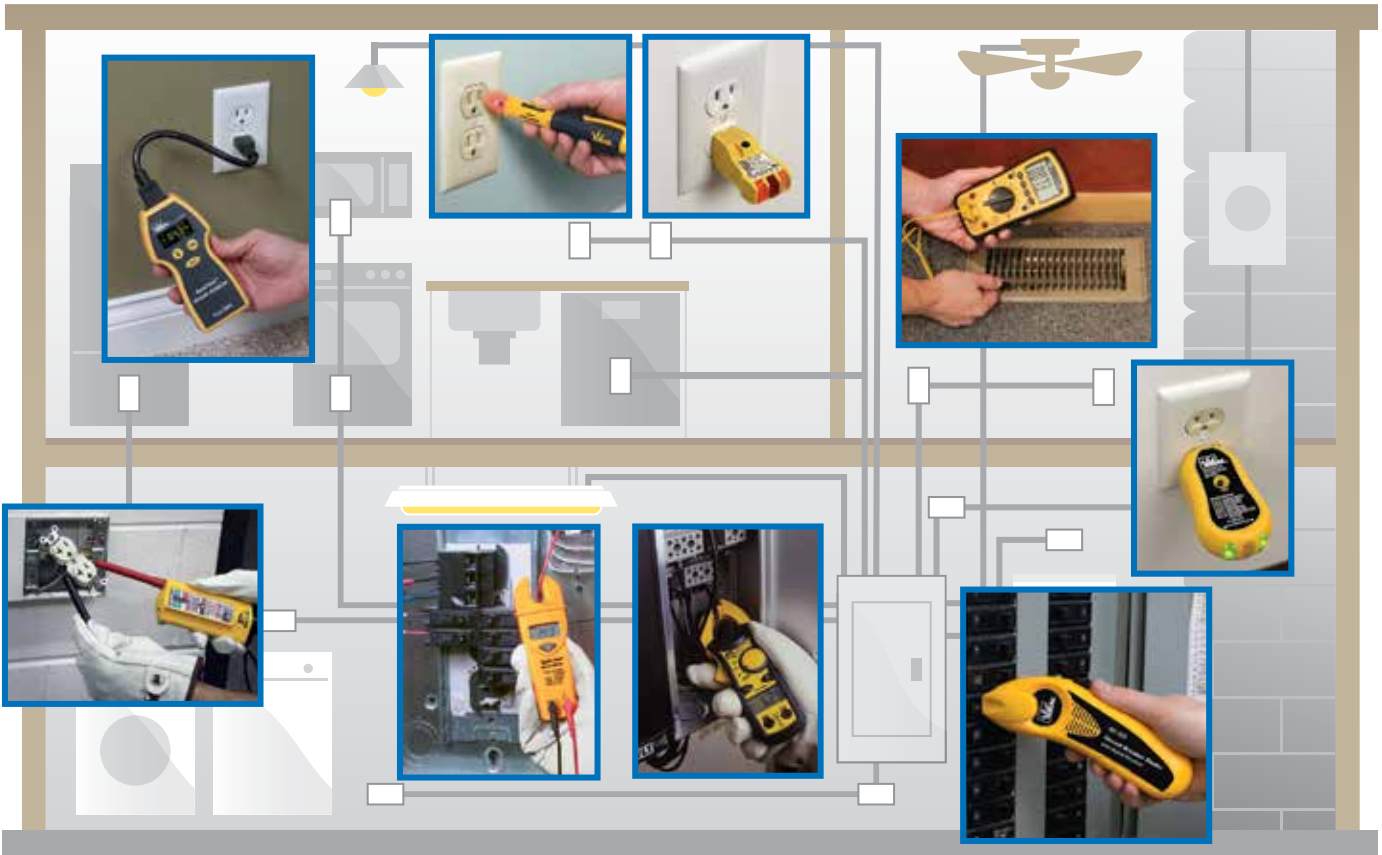


## Branch Circuit Analysis and Testing

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 and 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



## 486 Commercial-Grade Multimeter

- Voltage
- Current
- Resistance
- Audible continuity
- Capacitance
- Frequency
- Temperature
- Data hold
- Min/max/relative modes
- Backlight
- True RMS
- Auto AC/DC voltage detect w/ low impedance (Auto - VLoZ)
- Analog bar graph
- Non-contact voltage detection
- Peak hold
- Low battery indication
- Auto power off
- Limited 2-year warranty



| Description  | Part No.      |
|--|---------------|
| Digital Multimeter w/peak hold, temperature, includes thermocouple | <b>61-486</b> |

Includes: Test Leads & Carrying Case.

| Specifications | Range & Resolution                         | Accuracy |
|----------------|--|----------|
| AC Voltage     | 6.000/60.00/600.0/1000.0 V                 | 0.80%    |
| AC mV          | 600.0 mV                                   | 1.2%     |
| DC Voltage     | 6.000/60.00/600.0/1000.0 V                 | 0.08%    |
| DC mV          | 60.00/600.0 mV                             |          |
| AC Current     | 60.00m/600.0m/6.000/10.00A                 | 1.2%     |
| DC Current     | 60.00m/600.0m/6.000/10.00A                 | 0.80%    |
| Resistance     | 600.0/6.000k/60.00k/600.0k/6.000M/40.00M Ω | 0.80%    |
| Capacitance    | 1nF to 10mF                                | 0.1%     |
| Frequency      | 99.9 to 100.0k Hz                          | 0.1%     |
| Temperature    | -40°F to 752°F (-40°C to 400°C)            | 1.0%     |

| Accessories                              | For Use with           | Part No.      |
|--|------------------------|---------------|
| Nylon Carrying Case                      | 61-340, 61-342         | <b>C-290</b>  |
| Test Leads w/Alligator Clips, Standard   | 61-340, 61-342, 61-486 | <b>TL-495</b> |
| Test Leads w/Larger Alligator Clip       | 61-340, 61-342, 61-486 | <b>TL-770</b> |
| Test Leads with Alligator Clips, Premium | 61-340, 61-342, 61-486 | <b>TL-795</b> |
| Beaded K-type Thermocouple*              | 61-340, 61-342, 61-486 | <b>61-461</b> |
| Thermocouple Adapter*                    | 61-340, 61-342, 61-486 | <b>61-465</b> |
| Replacement Thermocouple                 | 61-486                 | <b>TC-486</b> |

\*Note: K-type thermocouple plugs into digital multimeter voltage jacks with 61-465 voltage.

## 340 Series Test-Pro® Multimeters

- Voltage
- Current
- Resistance
- Audible continuity
- Capacitance
- Frequency
- Temperature
- Data hold
- Min/max/relative modes
- Backlight
- Low battery indication
- Auto power off
- Limited 2-year warranty



61-342



| Description                 | Part No.      |
|-----------------------------|---------------|
| Test-Pro® Multimeter w/TRMS | <b>61-342</b> |
| Test-Pro® Multimeter        | <b>61-340</b> |

Includes: Test Leads and Thermocouple.

| Specifications | Range & Resolution                                  | Accuracy |
|----------------|---|----------|
| AC Voltage     | 4.000/40.00/400.0/600 V                             | 1.5%     |
| DC Voltage     | 400.0m/4.000/40.00/400.0/600 V                      | 0.5%     |
| Current        | 400.0μ/4000μ/40.00m/400.0m/4.000/10.00A AC/DC       | 1.5%     |
| Resistance     | 400.0/4.000k/40.00k/400.0k/4.000M/40.00M Ω          | 1.0%     |
| Capacitance    | 40.00n/400.0n/4.000μ/ 40.00μ/400.0μ F               | 3.0%     |
| Frequency      | 10.000/100.00/1.000k/10.00k/100.0k/1.000M/4.000M Hz | 0.3%     |
| Temperature    | -4° F to 1382° F (-20° C to 750° C)                 | 3.0%     |