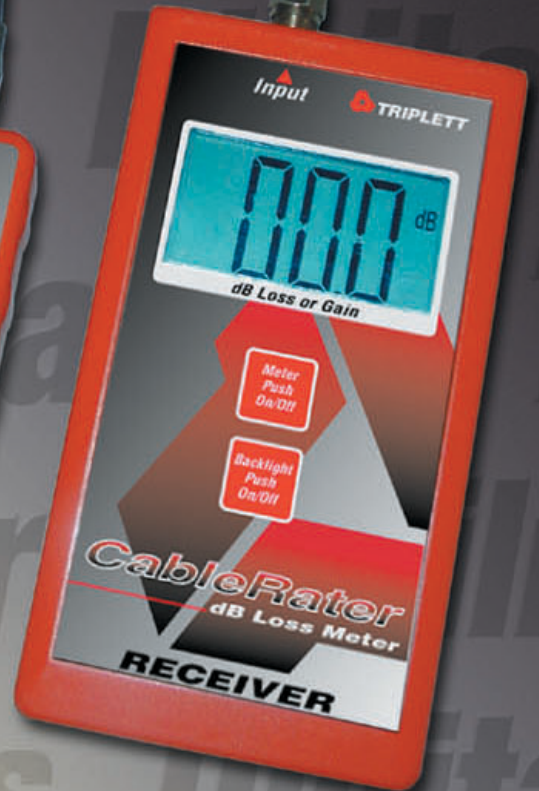




# TRIPLETT

Quality Test Equipment Since 1904



TRIPLETT  
**Jewell**  
Instruments



## Quality DMMs at an Affordable Price

For general Electrical, Electronic, Security, Integration, HVAC, Troubleshooting & Repair needs.

The 9005-A and 9015-A have an Ergonomically Shaped Case and a HUGE Digital Display!



### Model 9005-A Digital Multimeter

- ▲ 3 1/2 Digit, 1999 max. reading
- ▲ HUGE, 1.15" High Digital Display
- ▲ Manual Range Selection
- ▲ DC Voltage to 1000V
- ▲ AC Voltage to 750V
- ▲ AC/DC Current to 10A
- ▲ Resistance to 200M  $\Omega$
- ▲ Continuity Test
- ▲ Diode Check
- ▲ Transistor Check
- ▲ Data Hold
- ▲ Auto Polarity
- ▲ Low Battery Indication
- ▲ Auto Power Off
- ▲ Double Insulated Case
- ▲ Safety designed to comply with IEC 1010-1
- ▲ CAT I, II, and III Rated
- ▲ Overload Protected
- ▲ Three Year Warranty
- ▲ Includes: Red Rubber Boot, Safety Test Leads with Screw-On Alligator Clips & 9 Volt Battery

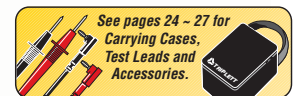
Cat. No. 9005: Model 9005-A



### Model 9015-A Digital Multimeter with Temperature & Capacitance

- ▲ 3 1/2 Digit, 1999 max. reading
- ▲ HUGE 1.15" High Digital Display
- ▲ Manual Range Selection
- ▲ DC Voltage to 1000V
- ▲ AC Voltage to 750V
- ▲ AC/DC Current to 10A
- ▲ Resistance to 200M  $\Omega$
- ▲ Temperature Test (Probe Included)
- ▲ Capacitance Test (Extension Lead Included)
- ▲ Frequency
- ▲ Continuity Test
- ▲ Diode Check
- ▲ Transistor Check
- ▲ Data Hold
- ▲ Auto Polarity
- ▲ Low Battery Indication
- ▲ Auto Power Off
- ▲ Double Insulated Case
- ▲ Safety designed to comply with IEC 1010-1
- ▲ CAT I, II, and III Rated
- ▲ Overload Protected
- ▲ Three Year Warranty
- ▲ Includes: Red Rubber Boot, Safety Test Leads with Screw-On Alligator Clips, Thermocouple Probe, Capacitance Extension Lead & 9 Volt Battery

Cat. No. 9015: Model 9015-A



**Model 9045**

**True RMS Digital Multimeter  
with Temperature, Capacitance & Frequency**



- ▲ 6000 Count Display
- ▲ 61 Segment Bargraph
- ▲ Blue Backlit LCD
- ▲ Auto / Manual Ranging
- ▲ DC Voltage Ranges to 1000V
- ▲ AC Voltage Ranges to 750V
- ▲ AC/DC Current Ranges to 10A
- ▲ Resistance Ranges from 600Ω to 60MΩ
- ▲ Temperature Test (° F & ° C Selectable)
- ▲ Capacitance Ranges from 40nF to 4000μF
- ▲ Frequency Ranges from 9.999Hz to 9.999MHz
- ▲ Duty Cycle
- ▲ Diode Test
- ▲ Continuity Test
- ▲ Auto Polarity
- ▲ Relative Mode
- ▲ Data Hold
- ▲ Range Hold
- ▲ Min/Max
- ▲ Flexible Auto Power Off
- ▲ Splash Proof / Dust Proof Case
- ▲ Ergonomic, Overmolded, Shock Absorbing Case w/ Stand
- ▲ Safety designed to comply with IEC 1010-1
- ▲ CAT III 600 Volt / CAT II 1000 Volt Rated
- ▲ Overload Protected
- ▲ Three Year Warranty
- ▲ Includes: Safety Test Leads with Screw-On Alligator Clips, Thermocouple Probe & 9 Volt Battery

**Cat. No. 9045: Model 9045**

*The Sleek, New 9045 has a Ergonomic, Overmolded, Shock Absorbing Case with Test Lead holders. This HOT New DMM is LOADED with Features and Functions at an Affordable Price!*



**CAT III  
600V**

**3 Year  
Warranty**

CE



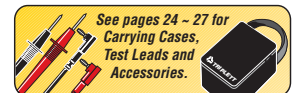


**Model 1101-A**  
**Compact DMM with Backlit Display & Temperature Test**

- ▲ 3 1/2 Digit, w/ 1999 max. reading
- ▲ Backlit Display
- ▲ AC/DC Voltage to 500V
- ▲ AC/DC Current to 10A
- ▲ Temperature Test (Probe Included)
- ▲ Resistance to 20MΩ
- ▲ Continuity Test
- ▲ Diode Check
- ▲ Transistor Check
- ▲ Data Hold
- ▲ Double Insulated Case
- ▲ CAT I and II Rated
- ▲ Overload Protected
- ▲ Three Year Warranty
- ▲ Includes: Red Rubber Boot, Safety Test Leads with Screw-On Alligator Clips, Thermocouple Probe & 9 Volt Battery



**Cat. No. 1101: Model 1101-A**



See pages 24 - 27 for Carrying Cases, Test Leads and Accessories.

**Model 2030-C**  
**Autoranging, Pocket-Sized DMM**

- ▲ 3 3/4 Digit, 4000 Count Display
- ▲ Auto / Manual Ranging
- ▲ AC/DC Volts to 600V
- ▲ AC/DC Current to 400mA
- ▲ Resistance to 40MΩ
- ▲ CAT II 600V Rating on Voltage Ranges
- ▲ Capacitance Test to 100μF
- ▲ Frequency Range to 10KHz
- ▲ Duty Cycle
- ▲ Diode Check
- ▲ Continuity Beeper
- ▲ Relative Mode
- ▲ Data / Range Hold
- ▲ Auto Power Off
- ▲ Low Battery Indicator
- ▲ One Year Warranty

**Cat. No. 2030: Model 2030-C**



*The Model 2030-C features a protective cover with rugged hinge design which can be completely folded back, or form a stand for better viewing. The unique "Power Slot" ensures that you turn your tester off before closing the lid, therefore saving battery life! A handy wrist strap is also included.*

# TRIPLETT Digital Multimeter Selection Guide

	<b>Model Number</b> <i>Catalog Number</i>	<b>1101-A</b> <i>Cat. No. 1101</i>	<b>2030-C</b> <i>Cat. No. 2030</i>	<b>9005-A</b> <i>Cat. No. 9005</i>	<b>9015-A</b> <i>Cat. No. 9015</i>	<b>9045</b> <i>Cat. No. 9045</i>
<b>FUNCTIONS</b>	<b>DC Voltage</b>	4(200mV to 200V) 0.5% + 2dgt 1 (500V) 0.8% + 2dgt	5(400mV to 600V) 1.0% rdg ±3dgt	5(200mV to 1000V) 0.8% + 1dgt	5(200mV to 1000V) 0.8% + 1dgt	4(600mV to 600V) 0.5% +5dgt 1(1000V) 0.8% + 5dgt
	<b>AC Voltage</b>	2(200V & 500V) 1.2% +10dgt	5(400mV to 600V) 1.5% rdg ±5dgt	1(200mV) 1.2% + 3dgt 3(2V to 200V) 0.8% + 3dgt 1(750V) 1.2% + 3dgt	1(2V) 0.8% + 3dgt 2(20V & 200V) 0.8% + 3dgt 1(750V) 1.2% + 3dgt	3(6V to 600V) 0.8% +5dgt 1(750V) 1.2% + 5dgt
	<b>DC Current</b>	2(2000µA to 20mA) 1.0% +2dgt 1(200mA) 1.2% +2dgt 1(10A) 2.0% +5dgt	4(400µA to 400mA) 2.0% rdg ±5dgt	4(20µA to 20mA) 0.8% + 3dgt 2(200mA & 2A) 1.0% + 3dgt 1(10A) 2.0% + 5dgt	2(2mA & 20mA) 0.8% + 3dgt 1(200mA) 1.0% + 3dgt 1(10A) 2.0% + 5dgt	2(600µA to 6000µA) 2.0% +5dgt 2(60mA to 600mA) 1.5% +5dgt 2(6A to 10A) 2.0% +5dgt
	<b>AC Current</b>	————	4(400µA to 400mA) 2.5% rdg ±5dgt	3(200µA to 20mA) 1.2% + 3dgt 2(200mA & 2A) 1.5% + 3dgt 1(10A) 3.0% + 5dgt	1(20mA) 1.2% + 3dgt 1(200mA) 1.5% + 3dgt 1(10A) 3.0% + 5dgt	2(600µA to 6000µA) 2.5% +5dgt 2(60mA to 600mA) 2.0% +5dgt 2(6A to 10A) 2.5% +5dgt
	<b>Resistance</b>	6 (200Ω to 20MΩ) 1.2% rdg + 2 dgt	5(400Ω to 4MΩ) 1.0% rdg ± 3dgt 1(40MΩ) 3.0% rdg ± 5 dgt	5(200Ω to 2MΩ) 0.8% + 2dgt 1(20MΩ) 1.0% + 2dgt 1(200MΩ) [5.0% (rdg-10)+10dgt]	5(200Ω to 2MΩ) 0.8% + 2dgt 1(20MΩ) 1.0% + 2dgt 1(200MΩ) [5.0% (rdg-10)+10dgt]	4(600Ω to 600KΩ) 1.0% +5dgt 2(6MΩ to 60MΩ) 2.0% +5dgt
	<b>Frequency</b>	————	5(10Hz to 10KHz) 0.02% rdg ±2dgt	————	1(20kHz) 1.5% + 5dgt	7(9.999Hz to 9.999MHz) 0.1% +5dgt
	<b>Capacitance</b>	————	1(40nF) 5.0% rdg ± 15 digits 3(400nF, 4µF, 40µF) 2.5% rdg ±10dgt 1 (100µF) 3.0% rdg ± 15 dgt	————	1(2nF) 5.0% + 10dgt 4(20nF to 20µF) 4.0% + 5dgt	1(40nF) 5.0% +10dgt 3(400nF to 40µF) 3.0% +5dgt 2(400µF to 4000µF) 20.0% +20dgt
	<b>Temperature (K-type)</b>	(-40° to 302°F) 1.0% +5dgt (303° to 1832°F) 1.5% +15dgt	————	————	(-4°F to 500°F) 1.0% + 3dgt (501°F to 1000°F) 5.0% + 3dgt (1001°F to 1832°F) 6.0% + 3dgt	(-58°F to 392°F) 0.75% + 5dgt (32°F to 104°F) ±5°F (392°F to 752°F) 1.5% + 5dgt (-50°C to 200°C) 0.75% + 3dgt (0°C to 40°C) ±3°C (200°C to 400°C) 1.5% + 3dgt
	<b>Continuity</b>	▲	▲	≤ 100Ω	≤ 100Ω	≤ 120Ω
	<b>Diode Check</b>	▲	▲	▲	▲	▲
	<b>Transistor Check (hFE)</b>	▲	————	▲	▲	————
	<b>Duty Cycle</b>	————	▲	————	————	▲
	<b>Total Ranges / Functions</b>	20	37	33	33	44

<b>SAFETY</b>	<b>Overload Protection</b>	<b>mV Ranges</b>	200mV DC (230V AC/DC)	400mV AC/DC (600V AC/DC CAT II)	200mV AC/DC (250V AC/DC)	200mV DC (250V AC/DC)	1000 VDC CAT II (IEC 1010-1) 750 VAC CAT II (IEC 1010-1) 600 AC/DC CAT II (IEC 1010-1) 300 AC/DC CAT III (IEC 1010-1)
		<b>Voltage Ranges (Except mV)</b>	500 AC/DC CAT II 600V CAT III 300V	600V AC/DC CAT II	1000 VDC CAT I (IEC 1010-1) 750 VAC CAT I (IEC 1010-1) 600 AC/DC CAT I (IEC 1010-1) 300 AC/DC CAT III (IEC 1010-1)	1000 VDC CAT I (IEC 1010-1) 750 VAC CAT I (IEC 1010-1) 600 AC/DC CAT II (IEC 1010-1) 300 AC/DC CAT III (IEC 1010-1)	1000 VDC CAT II (IEC 1010-1) 750 VAC CAT II (IEC 1010-1) 600 AC/DC CAT III (IEC 1010-1)
		<b>Ω Ranges</b>	500V AC/DC	600V AC/DC	250V AC/DC	250V AC/DC	600V AC/DC
		<b>Frequency</b>	————	600V AC/DC	————	250V AC/DC	600V AC/DC
		<b>Diode Test</b>	500V AC/DC	600V AC/DC	250V AC/DC	250V AC/DC	600V AC/DC
		<b>Continuity Beeper</b>	500V AC/DC	600V AC/DC	250V AC/DC	250V AC/DC	600V AC/DC
		<b>Capacitance</b>	————	600V AC/DC	————	250V AC/DC	600V AC/DC
	<b>Logic</b>	————	————	————	————	————	
	<b>Fuses</b>	<b>mA Jack</b>	03.A/500V Fuse	————	2A/250V Fuse	200mA/250V Fuse	800mA/600V Fast Fuse
		<b>A Jack</b>	————	————	Unfused	Unfused	10A/600V Fast Fuse
<b>Agency Approval</b>		CE IEC 1010-1 (EN 61010-1) on Voltage Ranges Only. See "Overload Protection" above	CE IEC 1010-1 (EN 61010-1) on Voltage Ranges Only. See "Overload Protection" above	CE IEC 1010-1 (EN 61010-1) on Voltage Ranges Only. See "Overload Protection" above	CE IEC 1010-1 (EN 61010-1) on Voltage Ranges Only. See "Overload Protection" above	CE IEC 1010-1 (EN 61010-1) on Voltage Ranges Only. See "Overload Protection" above	

<b>FEATURES</b>	<b>Range Selection</b>	Manual Range	Auto / Manual Range	Manual Range	Manual Range	Auto / Manual Range
	<b>True RMS</b>	————	————	————	————	▲
	<b>Digital Display</b>	3 1/2 Digit, 2000 Count	3 3/4 Digit, 3400 Count	3 1/2 Digit, 1999 Count	3 1/2 Digit, 1999 Count	6000 Count
	<b>Backlit Display</b>	▲	————	————	————	▲
	<b>Bargraph</b>	————	————	————	————	61 Segment
	<b>Data Hold</b>	————	▲	▲	▲	▲
	<b>Range Hold</b>	————	▲	————	————	▲
	<b>Auto Polarity</b>	▲	▲	▲	▲	▲
	<b>Min/Max</b>	————	————	————	————	▲
	<b>Relative Mode</b>	————	▲	————	————	▲
	<b>Low Battery Indication</b>	▲	▲	▲	▲	▲
	<b>Auto Power Off</b>	————	▲	▲	▲	▲ (Flexible)

<b>PHYSICAL</b>	<b>Battery</b>	1 - 9 Volt	2-1.5V, LR-44 or SR-44	1 - 9 Volt	1 - 9 Volt	1 - 9 Volt
	<b>Dimensions</b>	3.1 x 5.4 x 1.6 in.	3.2 x 4.8 x 0.8 in.	3.4 x 7.75 x 1.5 in. w/o boot	3.4 x 7.75 x 1.5 in. w/o boot	7.0 x 3.7 x 1.5 in.
	<b>Weight</b>	0.55 lbs.	3.5 oz.	0.60 lbs. w/o boot	0.60 lbs. w/o boot	11.0 oz.

All Accuracies are Basic Accuracies for the Indicated Function



## Affordable Clamp-Ons for Today's Maintenance Needs

- ▲ Three Models, all CE marked. Tested to IEC 1010 Category III 600V
- ▲ Clamps fit 1 - 750 MCM or 2 - 350 MCM cables
- ▲ Rugged - designed to MIL-T-28800 for a Class II Instrument
- ▲ Double Insulated Design

**The 9000 Series Clamp-Ons have many features including Backlit Displays - Plus Temperature, Capacitance, and Frequency on Select Models!**

**CAT III 600V**



### Model 9300-A AC Clamp-On Meter

- ▲ 3 1/2 LCD with max. reading of 1999
- ▲ CAT III 600V
- ▲ AC Current Measurement to 1000A
- ▲ AC/DC Voltage Measurement to 600V
- ▲ Resistance Measurement to 200Ω
- ▲ Backlit Display
- ▲ Ergonomic Design with Tear Drop Shaped Jaw
- ▲ Average AC Responding Measurements
- ▲ Diode & Continuity Test
- ▲ Manual Ranging
- ▲ Data Hold
- ▲ Three Year Warranty

Cat. No. 9300: Model 9300-A

### Model 9310-A AC/DC Clamp-On Meter

- ▲ 3 3/4 LCD with max. reading of 3999
- ▲ CAT III 600V
- ▲ AC/DC Current Measurement to 1000A
- ▲ AC/DC Voltage Measurement to 600V
- ▲ Resistance Measurement to 40MΩ
- ▲ Temperature from -4° to 1472° F
- ▲ Capacitance Ranges from 40nF to 100μF
- ▲ Frequency Ranges from 10Hz to 10MHz
- ▲ Duty Cycle Test
- ▲ Diode & Continuity Test
- ▲ Backlit Display
- ▲ Ergonomic Design with Tear Drop Shaped Jaw
- ▲ Average AC Responding Measurements
- ▲ Relative Mode
- ▲ Auto Zero on DC Current Measurements
- ▲ Auto / Manual Ranging
- ▲ Auto Power Off
- ▲ Three Year Warranty

Cat. No. 9310: Model 9310-A

### Model 9320-A True RMS AC/DC Clamp-On Meter

- ▲ 3 3/4 LCD with max. reading of 3999
- ▲ CAT III 600V
- ▲ True RMS Measurements (45Hz to 1KHz)
- ▲ AC/DC Current Measurement to 1000A
- ▲ AC/DC Voltage Measurement to 600V
- ▲ Resistance Measurement to 40MΩ
- ▲ Temperature from -4° to 1472° F
- ▲ User Selectable °F or °C
- ▲ Capacitance Ranges from 40nF to 4000μF
- ▲ Frequency Ranges from 10Hz to 10MHz
- ▲ Measures Clamp-On Frequency (25Hz to 400Hz)
- ▲ Min/Max Hold
- ▲ Duty Cycle Test
- ▲ Diode & Continuity Test
- ▲ Backlit Display
- ▲ Ergonomic Design with Tear Drop Shaped Jaw
- ▲ Relative Mode
- ▲ Auto Zero on DC Current Measurements
- ▲ Auto Power Off
- ▲ Three Year Warranty

Cat. No. 9320: Model 9320-A

Each Model 9000 Series Clamp-On includes a zippered, vinyl carrying case, test leads, screw-on alligator clips, battery and instruction manual. The 9310-A and 9320-A also includes a K-Type Thermocouple Adaptor and Probe.

## Model 9200

### Mini AC Clamp-On Meter

- ▲ Economical, Compact AC Current Clamp-on
- ▲ Simple, One Button Operation
- ▲ Measures from 0 to 200 Amps AC in Two Ranges
- ▲ Large, 3 3/4 Digit, 4000 Count Display
- ▲ Autoranging
- ▲ Data Hold
- ▲ Overload Indication (@ 400A)
- ▲ Auto Power Off
- ▲ Low Battery Indication
- ▲ Powered by one 3V Battery (2 included)
- ▲ Carrying Case, Wrist Strap and Spare Battery included
- ▲ 1 Year Limited Warranty

**Cat. No. 9200: Model 9200**



**The Compact Model 9200 is the Perfect Tool for the Professional or the Do-It-Yourselfer!**

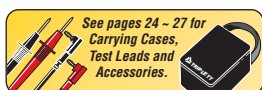
## TRIPLETT Digital Clamp-On Selection Guide

Model Number Catalog Number	9200 Cat. No. 9200	9300-A Cat. No. 9300	9310-A Cat. No. 9310	9320-A Cat. No. 9320
<b>AC Current</b>	2 (40A & 200A) 1.8% rdg + 5 LSD	1 (200A) 2.0% rdg + 5 LSD 1 (1000A) 2.5% rdg + 10 LSD	1 (400A) 2.0% rdg + 5 LSD 1 (1000A) 2.5% rdg + 10 LSD	1 (400A) 2.0% rdg + 5 LSD 1 (1000A) 2.5% rdg + 10 LSD
<b>DC Current</b>	—	—	1 (400A) 1.5% rdg + 5 LSD 1 (1000A) 2.0% rdg + 10 LSD	1 (400A) 1.5% rdg + 5 LSD 1 (1000A) 2.0% rdg + 10 LSD
<b>AC Voltage</b>	—	1 (200V) 0.8% rdg + 3 LSD 1 (600V) 1.0% rdg + 5 LSD	1 (400mV) 1.5% rdg + 3 LSD 3 (4V to 400V) 1.0% rdg + 2 LSD 1 (600V) 1.5% rdg + 3 LSD	3 (40mV to 4V) 1.5% rdg + 3 LSD 3 (40V to 400V) 1.0% rdg + 2 LSD 1 (600V) 1.5% rdg + 3 LSD
<b>DC Voltage</b>	—	1 (200V) 0.5% rdg + 2 LSD 1 (600V) 0.8% rdg + 3 LSD	4 (400mV to 400V) 0.5% rdg + 2 LSD 1 (600V) 0.8% rdg + 3 LSD	5 (40mV to 400V) 0.5% rdg + 2 LSD 1 (600V) 0.8% rdg + 3 LSD
<b>Resistance</b>	—	1 (200Ω) 1.0% rdg + 2 LSD	5 (400Ω to 4MΩ) 1.0% rdg + 2 LSD 1 (40MΩ) 2.0% rdg + 3 LSD	1 (400Ω) 1.0% rdg + 3 LSD 4 (4KΩ to 4MΩ) 1.0% rdg + 2 LSD 1 (40MΩ) 2.0% rdg + 3 LSD
<b>Frequency</b>	—	—	7 (10Hz to 10MHz) 0.1% rdg + 5 LSD	7 (10Hz to 10MHz) 0.1% rdg + 5 LSD Through Test Leads (25 to 400Hz) 0.1% rdg + 5 LSD Through Clamp-On
<b>Capacitance</b>	—	—	1 (40nF) 3.0% rdg + 10 LSD for values greater than 10nF 3 (400nF to 40μF) 2.5% rdg + 5 LSD 1 (100μF) 5.0% rdg + 10 LSD	1 (40nF) 3.0% rdg + 10 LSD for values greater than 10nF 3 (400nF to 40μF) 2.5% rdg + 5 LSD 1 (400μF) 5.0% rdg + 10 LSD 1 (4000μF) 20.0% rdg + 20 LSD
<b>Temperature</b>	—	—	(-4 to 302 F) ±7 degrees F (303 to 1472 F) 3.0% rdg + 2 LSD	(-4 to 302F) ±7 degrees F (-20 to 150 C) ±4 degrees C (303 to 1472 F) 3.0% rdg + 2 LSD F (150 to 800 C) 3.0% rdg + 1 LSD C
<b>Duty Cycle</b>	—	—	(0 to 99%) 2.0% rdg + 2 LSD	(0 to 99%) 2.0% rdg + 2 LSD
<b>Continuity</b>	—	▲	▲	▲
<b>Diode Check</b>	—	▲	▲	▲
<b>Total Ranges</b>	2	9	36	43

SAFETY	Overload Protection	400A AC for 60 Seconds Max	600V AC/DC Ω Ranges	600V AC/DC Ω Ranges	600V AC/DC Ω Ranges
<b>Agency Approval</b>	IEC 1010-1 (EN61010-1) IEC 1010-2-032 CE	IEC 1010-1 (EN61010-1) CAT III 600 Volts AC/DC CAT II 1000 Volts DC, 750 Volts AC IEC 1010-2-032 CE: EMC, LVD	IEC 1010-1 (EN61010-1) CAT III 600 Volts AC/DC CAT II 1000 Volts DC, 750 Volts AC IEC 1010-2-032 CE: EMC, LVD	IEC 1010-1 (EN61010-1) CAT III 600 Volts AC/DC CAT II 1000 Volts DC, 750 Volts AC IEC 1010-2-032 CE: EMC, LVD	IEC 1010-1 (EN61010-1) CAT III 600 Volts AC/DC CAT II 1000 Volts DC, 750 Volts AC IEC 1010-2-032 CE: EMC, LVD

FEATURES	Digital Display	3 3/4 Digit, 4000 Count	3 1/2 Digit, 2000 Count	3 3/4 Digit, 4000 Count	3 3/4 Digit, 4000 Count
<b>True RMS</b>	—	—	—	—	▲
<b>Autoranging</b>	▲	—	—	▲	▲
<b>Relative Mode</b>	—	—	—	▲	▲
<b>Min/Max</b>	—	—	—	—	▲
<b>Auto DCA Zero Adj.</b>	—	—	—	▲	▲
<b>Data Hold</b>	▲	▲	▲	▲	—
<b>Auto Power Off</b>	▲	—	—	▲	▲
<b>Backlit Display</b>	—	—	▲	▲	▲
<b>Low Battery Indication</b>	▲	▲	▲	▲	▲

PHYSICAL	Battery	1 - 3 Volt CR2032 Button Type	1 - 9 Volt	1 - 9 Volt	1 - 9 Volt
<b>Max. Conductor Size</b>	1.14" (27mm)	1.5" (38mm)	1.5" (38mm)	1.5" (38mm)	
<b>Dimensions</b>	5.8 x 1.8 x 0.8 in.	8.63 x 3.31 x 1.75 in.	8.63 x 3.31 x 1.75 in.	8.63 x 3.31 x 1.75 in.	
<b>Weight</b>	3.4 oz.	0.75 lbs.	0.75 lbs.	0.75 lbs.	



See pages 24 - 27 for Carrying Cases, Test Leads and Accessories.



**Model 310 Series**  
 The favorite Hand-Held  
 Analog VOM in the  
 Telecommunications  
 and Maintenance field.

**3Year**  
 Warranty

## Model 310

- ▲ 18 Ranges and Functions
- ▲ AC/DC Voltage to 1200V
- ▲ DC Current to 0.6A
- ▲ Resistance to 20M $\Omega$
- ▲ Drop Resistant, High-Impact Case
- ▲ Diode Overload Protected Meter
- ▲ Fused Resistance Ranges
- ▲ Single Enclosed Range Switch
- ▲ 3 Year Warranty

Cat. No. 3018: Model 310



## Model 310-C

- ▲ 18 Ranges and Functions
- ▲ AC/DC Voltage to 600V
- ▲ DC Current to 0.6A
- ▲ Resistance to 20M $\Omega$
- ▲ Polarity Reversing Switch
- ▲ Greater Sensitivity on AC Volts
- ▲ Drop Resistant, High-Impact Case
- ▲ Diode Overload Protected Meter
- ▲ Fused Resistance Ranges
- ▲ Single Enclosed Range Switch
- ▲ 3 Year Warranty

Cat. No. 3022: Model 310-C



The Model 60  
 features a  
 High-Impact  
 Case that's  
 guaranteed  
 to withstand a  
 5 foot drop!

**3Year**  
 Warranty

## Model 60

The drop resistant, overload protected  
 VOM for demanding field use.

- ▲ With our unique 3 fuse protection (including 2A/1000V fuse) the Model 60 is, quite possibly, the best protected VOM in the industry
- ▲ Mirrored scale to reduce parallax error
- ▲ Confidence Test to check batteries, fuses, leads and meter accuracy
- ▲ Decibel function for audio work
- ▲ 28 Ranges and Functions
- ▲ High Impact Orange Case
- ▲ AC/DC Voltage to 1000V
- ▲ DC Current to 1000mA
- ▲ Resistance to 10M $\Omega$
- ▲ Decibel ranges from -20dBm to +52dBm
- ▲ Polarity Reversing Switch
- ▲ AC Voltage frequency response to 40KHz typical
- ▲ 3 Year Warranty

Cat. No. 3145: Model 60



## Model 630

The industry standard for laboratory,  
 bench and field testing.

- ▲ Single range switch to help reduce chance of operator error
- ▲ Diode overload protection and 2 fuse arrangement
- ▲ Mirrored scale to reduce parallax error
- ▲ Decibel function for audio work
- ▲ All ranges are fuse protected
- ▲ Thermoset plastic case
- ▲ 25 Ranges and Functions
- ▲ Glass meter window for added chemical resistance
- ▲ Two input jacks to help minimize error
- ▲ AC Voltage frequency response to 40KHz typical
- ▲ Resistance measurement of 30V / 100M on Rx100K range for testing insulation
- ▲ 3 Year Warranty

Cat. No. 3030: Model 630



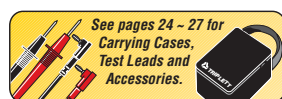
# TRIPLETT Analog Tester Selection Guide

Model Number Catalog Number	<b>310</b> Cat. No. 3018	<b>310-C</b> Cat. No. 3022	<b>60</b> Cat. No. 3145	<b>630</b> Cat. No. 3030
<b>DC Voltage</b>	5 (3000mV to 1200V) 3% full scale 20KΩ / Volt	5 (3000mV to 600V) 3% full scale 20KΩ / Volt	8 (300mV to 1000V) 1.5% full scale 20KΩ / Volt	6 (300mV to 600V) 1.5% full scale 20KΩ / Volt
<b>AC Voltage</b>	5 (3V to 1200V) 4% full scale 5KΩ / Volt	5 (3V to 600V) 4% full scale 15KΩ / Volt	6 (3V to 1000V) 3% full scale 5KΩ / Volt	5 (3V to 600V) 3% full scale 5KΩ / Volt
<b>DC Current</b>	4 (0.6mA to 0.6A) 3% full scale 250mV / 330mV	4 (0.6mA to 0.6A) 3% full scale 250 / 330mV	4 (0.1mA to 1A) 1.5% full scale 320mV	4 (0.6mA to 0.12A) 1.5% full scale 300mV
<b>Resistance</b>	4 (20KΩ to 20MΩ) 3% full scale	4 (20KΩ to 20MΩ) 3% full scale	5 (1KΩ to 10MΩ) 1.5% full scale	5 (1KΩ to 100MΩ) 1.5% full scale
<b>dB Ranges</b>	—	—	5 (-20dBm to +52dBm)	5 (-20dBm to +57dBm)
<b>Total Ranges / Functions</b>	18	18	28	25

Meter Protection	Diode Meter Protection	Diode Meter Protection	Diode Meter Protection Gas Discharge Tube	Diode Meter Protection
<b>Fuse</b>	1/16A / 250V	1/16A / 250V	1/8A / 250V 1A / 250V 2A / 1000V	2A / 600V 1A / 250V

<b>Polarity Reversing Switch</b>	—	▲	▲	—
<b>High Accuracy</b>	—	—	▲	▲
<b>Mirrored Scale</b>	—	—	▲	▲
<b>X-tra Rugged Case</b>	—	—	▲	—
<b>Hand-Sized</b>	▲	▲	—	—
<b>Confidence Test</b>	—	—	▲	—

<b>Battery</b>	1 - 12V, 1 - N-Cell	1 - 12V, 1 - N-Cell	1 - 9V, 1 - D-Cell	1 - 30V, 1 - D-Cell
<b>Dimensions</b>	2.75 x 1.3 x 4.25 in.	2.75 x 1.3 x 4.25 in.	3.25 x 5.25 x 7.25 in.	3.3 x 5.5 x 7.5 in.
<b>Weight</b>	2 lbs.	2 lbs.	4 lbs.	5 lbs.





**"Sniff's Out"  
Circuits without  
turning off  
the Breakers!**

**Breaker Sniff-It Type 2  
Digital Circuit Breaker Locator**

- ▲ Micro-Processor Controlled - Reduces False Readings
- ▲ Fully Automatic - No Adjustments Necessary!
- ▲ 120/220 VAC Transmitter (250 VAC Max)
- ▲ Audible & Visual Indication
- ▲ Auto Power Off Battery Saver
- ▲ Uses 1 standard 9-Volt Alkaline Battery (not included)
- ▲ UL Listed
- ▲ Lifetime Warranty

**Cat. No. 9650: Model 9650 Breaker Sniff-It**



**Breaker Sniff-It Adapter Kit  
Cat. No. 79-796**

Enhance the functionality of your New Breaker Sniff-It with this handy adapter kit.

Kit Includes:

- Light Socket Adapter
- Alligator Clip Adapter



**Cat. No.  
10-4250**



**Jolt-Bug  
Solenoid Voltage Tester**

- ▲ Tests 120-600 Volts AC & DC
- ▲ Test Probe Tips protected by Retractable Spring Loaded Shrouds
- ▲ One Year Limited Warranty

**Cat. No. 9620: Jolt-Bug**

*The Jolt-Bug is designed for general purpose use to indicate nominal 50/60 Hertz AC or DC voltage and polarity, (120-600 volts) in secondary residential, commercial and industrial circuits.*

**Two Models  
to "Sniff out"  
the presence  
of AC Voltage!**



**Sniff-It** *Rev A*  
**Non-Contact, AC Voltage Detector**

- ▲ New Ergonomic Design!
- ▲ Detects AC Voltage without making contact
- ▲ Sensitivity from 30 to 600 Volts AC
- ▲ Light flashes & beeper chirps when AC voltage is present
- ▲ Beep Rate Indicates the Magnitude of Voltage (low or high voltage)
- ▲ Economical, Non-Contact probe is safe and simple to use
- ▲ Pocket-Sized with Pocket Clip
- ▲ Powered by one A23 Battery (included)
- ▲ 5 Year Limited Warranty

**Uses for the Sniff-It:**

- ▲ Tests for AC Voltage on:
  - ▲ Outlets
  - ▲ Light Bulb Sockets
  - ▲ Extension Cords
  - ▲ Appliances
  - ▲ Power Tools
  - ▲ AC Motors
  - ▲ Light Switches
  - ▲ House Trailer Siding
  - ▲ Circuit Breakers
- ▲ Identify "hot" side of AC receptacles
- ▲ Find and trace electrically "live" wires or objects
- ▲ Determine if metal surfaces are "live" or "ground"
- ▲ Detect presence of high voltage electric fields
- ▲ Detect "ringing" telephone lines
- ▲ Test fuses (axial type)
- ▲ Find breaks in AC wiring
- ▲ Many, many more . . .

**Specifications**

Range: 30 to 600 volts AC, 60Hz  
 Indicators: Audible beeper and flashing red LED  
 Battery: 1 - A23 or 23A (12 Volts) (Included)  
 Body Size: 5.8" (L) x 1.25" (W) x 0.8" (H)  
 Weight: Approx. 0.2 lb.

**Cat. No. 9600:** Model 9600 Sniff-It Rev A



**DETECTS  
LOW VOLTAGE  
DOWN TO  
5 VAC!!!**

**Sniff-It 2**  
**Non-Contact, AC Voltage Detector  
with Adjustable Sensitivity Control**

- ▲ Detects AC Voltage without making contact
- ▲ Variable Sensitivity, from 5 to 600 Volts AC
- ▲ Light flashes & beeper chirps when AC voltage is present
- ▲ Flashes & Beeps faster as AC voltage is approached
- ▲ Economical, Non-Contact probe is safe and simple to use
- ▲ Pocket-Sized
- ▲ Power Beeper Reminder
- ▲ Powered by one A23 Battery (included)
- ▲ 5 Year Limited Warranty

**Uses for the Sniff-It 2:**

- ▲ Tests for AC Voltage on:
  - ▲ Outlets
  - ▲ Light Bulb Sockets
  - ▲ Extension Cords
  - ▲ Appliances
  - ▲ Power Tools
  - ▲ Circuit Breakers
  - ▲ AC Motors
  - ▲ Video Surveillance Camera Power
  - ▲ Telephone and Cablevision
  - ▲ Light Switches
  - ▲ House Trailer Siding
- ▲ Detects power line voltage: 120, 220, 480 & 600 VAC
- ▲ Detects control voltage: 12 & 24 VAC
- ▲ Identify "hot" side of AC receptacles
- ▲ Find and trace electrically "live" wires or objects inside walls
- ▲ Determine if metal surfaces are "live" or "ground"
- ▲ Detect presence of high voltage electric fields
- ▲ Detect "ringing" telephone lines
- ▲ Many, many more . . .

**Specifications**

Range: 5 to 600 volts AC, 60Hz  
 Indicators: Audible beeper and flashing red LED  
 Battery: 1 - A23 or 23A (12 Volts) (Included)  
 Body Size: 5.8" (L) x 1.25" (W) x 0.8" (H)  
 Weight: Approx. 0.2 lb.

**Cat. No. 9601:** Model 9601 Sniff-It 2

## Plug-Bug 2 GFCI Receptacle Tester

- ▲ For use on 110~125 VAC receptacles
- ▲ Detects common wiring problems in standard and (GFCI) Ground Fault Circuit Interrupter outlets
- ▲ To test, simply plug into receptacle and observe the light pattern
- ▲ Push the yellow button to test operation of ground fault receptacle
- ▲ GFCI "Test in Progress" LED Indicator
- ▲ One Year Limited Warranty

**Cat. No. 9610: Plug-Bug 2**



## Line-Bug 4 Phone / LAN Line Tester

- ▲ Tests standard telephone jacks and LAN jacks for connection to telephone system
- ▲ Protect your Expensive LAN Tester!!! - checks LAN Lines (RJ-45) wired to 568 A/B standard for damaging telephone line current
- ▲ Has both RJ-11 and RJ-45 style plugs
- ▲ 4 Tri-color (Red / Green / Amber) LEDs indicate Current, Polarity, & Ringing / AC Voltage on each line
- ▲ Tests Single Line, 2 Line, 3 Line, or 4 Line jacks to USOC (telephone) standard
- ▲ Tests LAN jack (RJ-45) wired to 568A/B standard for telephone line current
- ▲ RJ-45 test plug is selectable via front panel switch
- ▲ Use to test a LAN jack for telephone current, which might damage an expensive LAN tester
- ▲ Compact design - fits in shirt pocket
- ▲ Economical and Convenient
- ▲ One Year Limited Warranty

**Cat. No. 9615: Line-Bug 4**



## SatAlign 2 Digital Satellite Signal Strength Meter with Tone

- ▲ Analog Meter for Easy Readout
- ▲ Audible Tone Changes Pitch with Signal Strength
- ▲ Fast Response Speeds Adjustment
- ▲ Expanded Scale Meter for Precise Alignment
- ▲ 950MHz to 2050MHz Operation
- ▲ Sensitive MMIC Meter Amplifier
- ▲ LED Power / Polarization Indicators (13V / 18V)
- ▲ Powered by the Satellite Receiver \* (or user supplied power source)
- ▲ Turns a 2 Person Job into a 1 Person Job!
- ▲ Compact Design
- ▲ One Year Warranty

**Cat. No. 3275: SatAlign 2**

### \* Power Source

The SatAlign 2 is powered by the Satellite Receiver. There is also a power jack located under the "RECEIVER" terminal which can be used to power the SatAlign 2 with a user supplied external source.

If the power level is less than 15V ±0.5V, the 13V LED will light.  
If the power level is more than 15V ±0.5V, the 18V LED will light.



### Specifications

Frequency Range: 950MHz to 2050MHz  
Input Impedance: 75 Ohms  
Max. Input Level: -10 dBm  
Detection Range: -40 to -10 dBm  
Insertion Loss: 4 dB  
Indicators:

Connectors:

Dimensions:  
Weight:

Analog Panel Meter  
Variable Pitch Tone  
Power / Polarization LED's  
LNB / Dish, F Connector  
Receiver, F Connector  
1.5" x 2.1" x 3.8"  
3 oz.

*The SatAlign 2 includes Audible Tone to help you "Zero In" on the Satellite making it a quick, economical, do-it-yourself way to install or realign your satellite dish.*



The Triplet Chek-A-Cell is a digital tester for 6 volt or 12 volt sealed lead acid batteries, ranging in size from 1 Amp Hour to 10 Amp Hours. These types of batteries are often used for backup power in Emergency Lighting, Security Systems, and Uninterruptible Power Supplies (UPS). They are also used as a power source in many portable household appliances and power tools. By applying a load to the battery and measuring the battery's voltage, the Chek-A-Cell helps to determine the battery's condition.

### **Chek-A-Cell**

#### **Sealed Lead Acid Battery Tester**

*An Affordable Way to Quickly & Accurately Measure the Voltage of Sealed Lead Acid Batteries.*

- ▲ Load Tests 6 and 12 volt sealed lead acid batteries
- ▲ Works for batteries from 1 to 10 Amp Hours
- ▲ Measures within 0.01 volts
- ▲ Economical and Easy to Use
- ▲ Polarity Reversal Indication and Protection
- ▲ Powered by battery being tested
- ▲ Large, bright LED display (0.56")
- ▲ Convenient Hand-Held Size Case
- ▲ Padded Cordura Carrying Case Included
- ▲ One Year Limited Warranty

#### **Specifications**

Operating Voltage:	5.75 to 19.99 volts DC
Resolution:	0.01 volts
Accuracy:	± 0.03 volts (at 25 degrees C, +/- 5 degrees)
Load Current:	typically 600mA at 6 volts, 1.2 Amps at 12 volts
Duration of Measurement:	10 seconds maximum
Display:	3 1/2 digit, 0.56" high, red LEDs
Case Dimensions:	approx. 6" x 3.25" x 1.25"
Weight:	approx. 10.4 ounces
Includes:	Test Leads, 1 Screw-On Alligator Clip, Padded Carrying Case, Instruction Manual

**Cat. No. 3276: Chek-A-Cell**



- Find Faults Quickly & Efficiently
- Cut Down Trouble Shooting Time
- Manage Cable Inventory

### **Triplet TDR** Cable Fault Finder

- ▲ Find Cable Length or Distance to Fault from ONE END!
- ▲ Low Cost Digital Cable Length Meter/TDR
- ▲ Built-in Tone Generator for Cable Tracing & Identification
- ▲ Simple Operation with Automatic Distance Display
- ▲ Internal Library of 39 Standard Cable Types
- ▲ Suitable for testing all types of Communication Cables
- ▲ Compact, Ergonomic Design, weighs less than 8 oz.
- ▲ Padded Cordura included
- ▲ Three Year Warranty

#### **Specifications**

Approximate Range:	Coaxial Cable 6400 ft Structured Wiring 2500 ft Telephone Cable 2500 ft
Resolution:	1 ft < 300 ft & 3 ft > 300 ft
Accuracy:	± 2 feet - Cables up to 10 ft ± 5 feet - Cables 10 to 200 ft ± 3% - Cables longer than 200 ft
Cable Library:	39 Standard Cable Types
Output Impedance:	50, 75 & 100 Ohms
Velocity of Propagation:	Adjustable 0 to 99%
Tone Generator:	Oscillating 810 - 1110Hz
Display:	Dot Matrix LCD
Connector Type:	BNC
Power Supply:	1 - 9 Volt Battery
Battery Life:	Approx. 2000 Tests
Operating Temperature:	5 to 122 deg. F
Storage Temperature:	-4 to 158 deg. F
Dimensions:	8 x 3 x 1.5 inches
Weight:	8 oz.
Safety:	IEC61010-1, EN 60950
EMC:	BS/EN 61326-1
Includes:	Padded Cordura Holster, Fused Test Lead - BNC to Alligator Clips (PN 79-792), 9V Battery

**Cat. No. 3271: Triplet TDR**



## ProTemp Applications

### Plant Maintenance

- Electrical Buss Bars, Boilers, Motors, Transformers, Capacitors, Enclosures, Electrical Connections, Ballast & Fixture Testing

### Heating, Air Conditioning & Refrigeration

- HVAC Systems, Insulation, Wall, Vent & Exhaust Temperature, Residential & Commercial Energy Efficiency

### Electronics

- Wave Soldering, Component Temperature, Cabinet Temperature

### Food Service Industry, Restaurants

- Ovens, Grilling Surfaces, Food & Beverage

### Automotive Industry

- Exhaust Manifolds, Catalytic Converters, Tire Surface, Radiators

### Chemical Facilities

- Chemical Mixing Temperatures, Solid & Liquid Temperature Testing

### Plastics

- Extrusion and Injection Molding, Vacuum Forming

### Roads & Construction

- Asphalt Plant Monitoring, Asphalt Mix

And Many, Many More!



## ProTemp 6

### Non-Contact, Infrared Thermometer

- ▲ 6:1 Measurement Ratio
- ▲ Streamlined, Ergonomically Styled Case
- ▲ Cool Blue Backlit Display
- ▲ Non-Slip Finger Treads
- ▲ Not "Gun Shaped" like competitors models
- ▲ Laser Pointer pinpoints center of measurement area
- ▲ Simple, One-Button Operation
- ▲ 0° to 605° F (-18° to 315°C)
- ▲ User Selectable °F or °C Display
- ▲ Holds Reading Automatically for 7 Seconds
- ▲ Auto Power Off
- ▲ Fixed Emissivity (0.95)
- ▲ Battery Level Indicator
- ▲ Operates from a standard 9 Volt Battery
- ▲ One Year Warranty

### Specifications

Temperature Range:	0° to 605°F (-18° to 315°C)
Operating Temperature:	50° to 125°F (10° to 52°C)
Resolution:	1°F (1°C)
Accuracy:	77° to 500°F (25° to 260°C) ± 2% of reading or 3°F (2°C) plus one digit, whichever is greater 30° to 76°F (0° to 24°C) ± 3% of reading or 5°F (3°C) 0° to 29°F (-18° to -1°C) ± 4% of reading or 7°F (4°C)
Response Time:	500 mSec, 95% Response
Target Size/Field of View:	6:1 optics ratio with a 1" minimum target
Repeatability:	2% of reading, or 3°F (2°C)
Spectral Response:	7-18 um
Emissivity:	Fixed at 0.95
Relative Humidity:	10-95% RH noncondensing, @ up to 86°F (30°C)
Storage Temperature:	-4° F to 150° F (-20° to 65°C) without battery
Battery:	1 - 9 volt Alkaline Battery
Battery Life:	12 Hours Continuous Operation
Dimensions:	7.25" x 1.75" x 1.5"
Weight:	4.8 oz.

Cat. No. PT6: ProTemp 6

## ProTemp 10

### Non-Contact, Infrared Thermometer

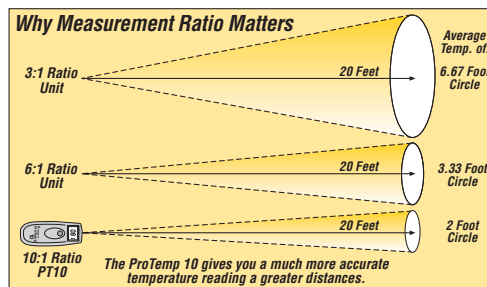
- ▲ 10:1 Measurement Ratio!!
- ▲ Compact, Ergonomically Styled Case
- ▲ Not "Gun Shaped" like competitors models
- ▲ Laser Pointer pinpoints center of measurement area
- ▲ Simple, One-Button Operation
- ▲ 0° to 750° F (-18° to 399°C)
- ▲ User Selectable °F or °C Display
- ▲ Holds Reading Automatically for 5 Seconds
- ▲ Auto Power Off
- ▲ Fixed Emissivity (0.95)
- ▲ Handy Carrying Case with Belt Clip included
- ▲ Operates from a standard 9 Volt Battery
- ▲ One Year Warranty

### Specifications

Temperature Range:	0° to 750°F (-18° to 399°C)
Operating Temperature:	50° to 125°F (10° to 52°C)
Resolution:	1°F (1°C)
Accuracy:	± 2% of reading or 3°F (2°C) plus one digit, whichever is greater*
Response Time:	1 second
Target Size/Field of View:	10:1 optics ratio with a 1" minimum target
Repeatability:	± 0.5% of reading, plus one digit
Power Source:	9-volt battery (included)
Wavelength:	8 to 14 microns
Emissivity:	Fixed at 0.95
Dimensions:	4.7" x 1.9" x 1.4"
Weight:	3.3 oz. (w/out battery)

\* 600° to 750°F (315° to 399°C) use a correction factor of - 4% Example: at 700°F less 4% = 672°F

Cat. No. PT10: ProTemp 10



# **CableRater** .....

## **dB Loss Meter**

**New!!!**

**Measures dB Loss and Gain in Cable Distribution Systems**

**Verify Installation before Cable TV Service is Connected**

**Transmitter Simulates Frequency and Level of TV Channel 3**

**Lightweight and Affordable**

### **Features**

▲ **Check for:**

- Bad Cables
- Bad Splitters
- Bad Switches
- Bad Connectors / Connections
- Bad Amplifiers / Verify Amplifier Gain
- Excessive Loss in Cable (too long of a run)

▲ **Real Time measurement allows for checking for intermittents**

▲ **Efficient Transmitter permits hours of testing without replacing battery, plus built in battery test**

▲ **Receiver contains a blue backlit display which allows for testing in poorly lit areas**

▲ **Measure dB Loss or Gain from main entrance to each TV, including Loss or Gain in all cable, connectors, switches, splitters and amplifiers in between**

### **Additional Features**

- Receiver is user configurable for continuous operation or timed auto shut-off
- Digital display on Receiver allows for easy and accurate measurement
- F Connectors for easy connection to standard TV distribution systems
- Works with typical "power injector" amplifier systems
- Projected against 60Hz line cross
- ± 20dB Loss/Gain measurement range, 0.1 dB Resolution
- Tests all types of RG-59 and RG-6 Coaxial Cables
- Includes: Transmitter, Receiver, Patch Cable, Carrying Case and 2 9-volt Batteries.

**Cat. No. 3279: CableRater**



## PairMaster LAN Cable Test Set



Tests for 8 Cable Faults	
OL	Overvoltage
OP	Open Pair
SH	Shorted Pair
CP	Crossed Pair
SP	Split Pair
TP	Transposed Pair
rP	Reversed Pair
ds	Double Split Pair (NEXT)

### PairMaster Functions

#### Wire-Mapping

The PairMaster will check the point to point wiring, commonly referred to as wire-mapping. This tells the user whether or not the cable pairs, 1/2, 3/6, 4/5, 7/8, are wired correctly at both ends. Green LEDs indicate Pass, Red LEDs indicate Fail. If a fault is detected, the corresponding Fault Code is displayed on the large, two digit, seven segment LEDs.

#### Near End Crosstalk (NEXT)

The Near End Crosstalk feature checks for excessive A.C. coupling between each pair in a cable.

#### Cable Identification

The PairMaster can also identify a LAN Cable within a bundle. By connecting up to 16 available Remote Identifiers to the workstation wall jacks, the PairMaster will identify and display the number of the Remote Identifier connected to the cable. The user can then easily document the network topology.

#### Overload Protection

The PairMaster has built-in Overvoltage Protection. When voltage from a Central Office Battery is detected, the unit will flash (OL) and shut itself down.

#### Remote Identifier

The Remote Identifier is a small unit used in conjunction with the Triplet PairMaster for LAN Cable identification. The Remote Identifier properly terminates the LAN Cable when connected to the workstation wall jacks. It contains the necessary circuitry to allow the PairMaster to verify proper wiring within the cable. Each of the 16 Remote Identifiers has an overvoltage LED which lights to indicate the presence of damaging voltage.

### PairMaster Features

- ▲ New Flush Power Button reduces accidental turn-ons
- ▲ Tests Cat 5, 5E & Cat 6 Cables
- ▲ Identifies 1 of 16 Cables (with optional Remote Identifiers)
- ▲ Tests 1/2, 3/6, 4/5, 7/8 Cable Pairs
- ▲ 2 - 7 segment LEDs display Fault Codes and Remote ID numbers
- ▲ Input Protection up to 56VDC
- ▲ Overvoltage Indication on PairMaster and Remote Identifiers
- ▲ Low Battery Indication
- ▲ Auto Power Off at end of test
- ▲ 4 PASS LEDs (Green), 4 FAIL LEDs (Red)
- ▲ EIA / TIA 568 configuration for UTP Ethernet and Token Ring LAN Cables
- ▲ 2 Year Warranty on PairMaster
- ▲ 1 Year Warranty on Remote Identifiers

### The PairMaster

#### LAN Cable Test Set includes:

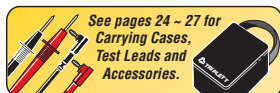
- 2 - Remote Identifiers, #1 and #2
- 1 - RJ-45 Patch Cable (Category 5)
- 2 - RJ-45 In-Line Couplers
- 1 - 9 Volt Battery
- 1 - Instruction Manual

**Cat. No. 3240: PairMaster**

#### Additional Remote Identifiers:

- Cat. No. 3240-18:** Remotes #5 to #8
- Cat. No. 3240-19:** Remotes #9 to #12
- Cat. No. 3240-20:** Remotes #13 to #16
- Cat. No. 3240-22:** Remotes #1 and #2
- Cat. No. 3240-23:** Remotes #3 and #4

**NOTE:** These LAN testers are not intended for use on powered wires or cables. All wires or cables must be non-powered, non-grounded and non-connected.



### PairMaster Kit LAN Cable Test Set with 16 Remote Identifiers and Carrying Case

#### Complete LAN Cable Testing Kit Includes:

- 1 - PairMaster LAN Cable Test Set
- 16 - Remote Identifiers, #1 thru #16
- 1 - RJ-45 Patch Cable (Category 5)
- 2 - RJ-45 In-Line Couplers
- 1 - 9 Volt Battery
- 1 - Soft-Sided Carrying Case w/ strap
- 1 - Instruction Manual

**Cat. No. 3241: PairMaster Kit**

*The PairMaster gives its user the ability to verify and test basic LAN cabling installations. This unique LAN Cable Test Set can identify (Map) one of up to 16 cables with the press of a button. The PairMaster will also check for 8 faults including Near End Crosstalk (NEXT) for double split pairs.*





**WireMaster XR-5**

**5 Cable Tester**

- ▲ Tests 5 Types of Cables  
RJ-45, RJ-11, BNC, 1394, USB
- ▲ Simple One Button Test
- ▲ Ergonomic, Portable Handheld Design
- ▲ Tests Installed Wiring or Patch Cables
- ▲ Remote Attaches to Main Unit
- ▲ 600 ft test distance (RJ-45 / RJ-11 / BNC)
- ▲ Built-in Battery Test
- ▲ LEDs Indicate Connections and Faults
- ▲ Beeper Provides Audible Annunciation of Test Results
- ▲ Tests Shielded (STP) or Unshielded (UTP) LAN Cables
- ▲ Tests Shields in 1394 and USB Cables
- ▲ One Year Warranty

The WireMaster XR-5 Includes:

- BNC Terminator
- BNC, RJ-11 & RJ-45 Jumper Cables
- Padded, Cordura Carrying Case
- 9 Volt Battery
- Instruction Manual

The WireMaster XR-5 Checks for:

- Continuity
- Miswiring
- Opens
- Shorts
- Crossover
- Grounding



**Cat. No. 3260: WireMaster XR-5**



Test Patch Cables or Installed Wiring with the Detachable Remote.

**Tests 5 Types of Cables!**



**WireMaster Coax**  
**8-Way Coaxial Cable Mapper**

- ▲ 8 Remotes with BNC Connectors included
- ▲ Tests for Opens and Shorts
- ▲ AC/DC Overvoltage Warning LED
- ▲ 120VAC Line Cross Protection
- ▲ Real-time test helps identify intermittents
- ▲ Power Latch Function Switch to prevent accidental turn-ons
- ▲ Use to identify coaxial cables in CCTV Security and Surveillance systems, Broadcast TV, Residential Video systems, and Cable TV (with F adapters).
- ▲ Identify any pair of wires (shielded or unshielded) such as Audio, Video, Phone Lines, etc. using appropriate adapters
- ▲ Battery Self Test
- ▲ Uses 1 standard 9-Volt Alkaline Battery
- ▲ Includes: Padded Carrying Case and BNC Male-to-Male Adapter
- ▲ One Year Warranty

**Cat. No. 3274: WireMaster Coax**



The WireMaster Coax comes complete with a padded, cordura carrying case as shown above.

**WireMaster XR-2**  
**LAN Cable Test Set with Tracer Tone**

- ▲ Verifies point-to-point wiring of twisted pair LAN cables, telephone cables, and other types of cables that use RJ-45 & RJ-11 connectors
- ▲ New "Local Mode" allows for testing of patch cables
- ▲ Tests LAN Crossover & Telephone patch cables
- ▲ Checks continuity in cable conductors
- ▲ Generates 2 distinct warble tones usable for cable tracing
- ▲ Checks "straight-through", "reverse wired", & "crossover" patch cables
- ▲ 8 LED's identify the source and destination of each conductor
- ▲ Direct connection of 6 pin RJ-11 or 8-pin RJ-45 cables
- ▲ Allows remote testing of long cable runs up to 1000 feet
- ▲ User selectable features:
  - RJ-11 4 conductor or 6 conductor test
  - Forward or Reverse sequencing on Transmitter
  - High or Low Pitch Tracer Tone
  - Fast or Slow LED sequencing
  - Local or Remote Test Mode on Receiver
- ▲ TELCO Protected
- ▲ Long Battery Life
- ▲ Carrying Case Included
- ▲ Uses 1 standard 9-Volt Alkaline Battery (not included)
- ▲ One Year Warranty

**Cat. No. 3254: WireMaster XR-2**

**NOTE:** These LAN testers are not intended for use on powered wires or cables. All wires or cables must be non-powered, non-grounded and non-connected.



**WireMaster RJ-45**  
**LAN Cable Tester**

- ▲ Verifies point-to-point wiring of RJ-45 patch cables
- ▲ Economical and simple to use
- ▲ 8 LEDs identify the destination of each conductor in cable
- ▲ Checks for continuity in straight-through wiring
- ▲ Uses 1 standard 9-Volt Alkaline Battery (not included)
- ▲ One Year Warranty

**Cat. No. 3251: WireMaster RJ-45**





## The Fox 2

### Deluxe Tone Generator with "TrueTrace"

- ▲ "TrueTrace" - Cadence of tracer tone changes when pair is momentarily shorted, allowing for definite ID of target wire pair
- ▲ Cordless Phone Interface - allows user to use a standard cordless phone for hands-free "TrueTrace"!
- ▲ "Trip-Latch" a unique latch testing technique using "TrueTrace" for testing Alarm Sensors
- ▲ 3 Methods of Connectivity
  - RJ-11 plug for tracing Telephone lines (with included RJ-45 to RJ-11 Adaptor Cable)
  - RJ-45 Jack for tracing LAN cables (trace BNC cables w/ optional RJ-45 to BNC adaptor)
  - Alligator clips for connection to stripped wires or terminal panels
- ▲ Overload Protected - 120VAC Line Cross Protection on all Functions
- ▲ Overload Warning Beeper - alerts user to potential hazards
- ▲ Warble/Pulse Tracer Tone - Selectable tone for audible & visual ID using Hound, Hound 2 or Hound 3 Probe Inductive Tracers
- ▲ High Output Tracer Tone
- ▲ Generates 2 of 6 user selectable Tracer Tones
- ▲ Internal User Selectable Settings - HI/LO Pitch Shift, Warble/Continuous Tracer Tone, On/Off Audio Pilot Tone, On/Off Cadence Shift
- ▲ Tone/Battery LED - indicates that Tracer Tone is on and battery is OK
- ▲ Audio Pilot Tone - confirms the Tracer Toner signal
- ▲ Visual & Audible Continuity Test
- ▲ Red/Green Telephone Line Polarity LEDs - also indicates AC/RING Signal
- ▲ Supplies "Talk Power" to allow communicating between handsets (talksets) or powering a telephone
- ▲ Line powered in Tone Mode
- ▲ Built in Telephone Ringer
- ▲ "Power Latch" - prevents accidental turn-ons maximizing battery life
- ▲ Magnetic Back - stick the Fox 2 to steel surfaces
- ▲ Works with Hound, Hound 2 or Hound 3 Probe Inductive Tracers
- ▲ Powered by standard 9 Volt Battery (not included)
- ▲ One Year Warranty



### A Quick, Easy and Economical way to trace Wires & Cables of all kinds including:

Electrical Wire, Twisted Pair, LAN Cable, Coax Cable, Multi-Conductor Cable, Telephone Cable, Speaker Wire, Alarm Cable, plus many, many more . . .

Cat. No. 3382: Fox 2

### RJ-45 to BNC Adaptor Cat. No. 2455-824

- ▲ Use with the Fox 2 for tracing BNC Cables
- ▲ Ground clip helps improve signal strength



**NOTE:** The Fox & Hound Series is not intended for use on powered wires or cables. All wires or cables must be non-powered, non-grounded and non-connected.

## The Original Fox Tone Generator

- ▲ Generates 3 distinct tones usable for wire tracing
- ▲ Performs a variety of tests on telephone lines
- ▲ Line powered in Tone Mode
- ▲ LED Indicator for continuity
- ▲ Supplies "Talk Power" to allow communicating between handsets (talksets) or powering a telephone
- ▲ Alligator clips and modular plug allow for connection to stripped wires, terminal panels, or a standard modular jack (single line)
- ▲ Powered by a standard 9V battery (not included)
- ▲ Works with Hound, Hound 2 or Hound 3 Probe Inductive Tracers
- ▲ One Year Warranty

Cat. No. 3380: Fox



## TRIPLETT Fox & Hound Series Kits.

### Fox & Hound 3 Probe Kit

Includes:

- ▲ Original Fox Tone Generator
- ▲ Hound 3 Probe Inductive Tracer
- ▲ Cordura Carrying Case

Cat. No. 3397



### Fox 2 & Hound 3 Probe Kit

Includes:

- ▲ Fox 2 Deluxe Tone Generator
- ▲ Hound 3 Probe Inductive Tracer
- ▲ Cordura Carrying Case

Cat. No. 3399



**The Hound 3 Probe**  
Streamlined Inductive Tracer  
with Headlights and Earphone Jack

- ▲ New Headlights to help light your way in dark areas and reduce florescent light noise!
- ▲ Streamlined Design allows for better access in hard-to-reach areas
- ▲ New Shielded Design to suppress "Feedback Squeal"
- ▲ Bandpass Filter to suppress 60Hz and Hi Frequency Noise
- ▲ Earphone Jack for use in quiet or noisy environments.
- ▲ Improved Sensitivity and Loudness
- ▲ Includes New Conductive Duck-Bill Tip for Safer, Easier Penetration in cable bundles - Metal tip also included
- ▲ Easy Access Battery Door
- ▲ Adjustable volume / sensitivity control
- ▲ LED gets brighter as the signal gets stronger - LED indication even works when Earphones are used!
- ▲ Contains a hi-gain, hi-impedance amplifier
- ▲ Capable of identifying the Fox's tone up to 12 inches away
- ▲ Rugged, moisture resistant, mylar cone speaker
- ▲ Use with the Fox 2, Fox, Fox Jr., TDR, LAN TDR or WireMaster XR-2 for quick & efficient wire tracing
- ▲ Powered by a standard 9V battery (not included)
- ▲ One Year Warranty

**Cat. No. 3392: Hound 3 Probe**

**Replacement Duck-Bill Tip**  
**Cat. No. 79-798**

- ▲ Interchangeable with existing metal probe tip on all Hounds
- ▲ Conductive plastic picks up signal while eliminating shorts
- ▲ Duckbill design fits between wires in cable bundles
- ▲ New shape maximizes signal strength.... better pickup
- ▲ No tools required to change - simple screw-in design
- ▲ High resistance reduces shock hazard
- ▲ Durable construction



The New Hound 3 Probe features 2 Bright, White LED Headlights that will help light your way in dark areas or reduce fluorescent light noise by allowing you to turn off overhead lighting.



A new easy access Battery Cover and Earphone Jack are just a few of the many new features of the Hound 3 Probe.

**NOTE:** The Fox & Hound Series is not intended for use on powered wires or cables. All wires or cables must be non-powered, non-grounded and non-connected.

**The Fox Jr. & Hound Jr. Kit**  
Compact Wire & Cable Tracing Kit

The New Triplet FOX Jr. and HOUND Jr. Wire Tracing Kit consists of the FOX Jr. Compact Tone Generator, the Hound Jr. Compact Inductive Tracer, and a convenient carrying case. These compact versions of the popular Triplet FOX and HOUND Series offer less demanding users a portable, low cost, wire & cable tracing solution.

**Fox Jr. Tone Generator**

- ▲ Pocket-Sized with Pocket Clip
- ▲ Connects easily with alligator clips or RJ-11 / RJ-45 combo plug
- ▲ Distinctive Warble tone is adjustable over wide range
- ▲ 120VAC Line Cross Resistant
- ▲ Powered by one A23 Battery (included)
- ▲ One Year Warranty

**Hound Jr. Inductive Tracer**

- ▲ Pocket-Sized with Pocket Clip
- ▲ Small and Streamlined to get into tight places
- ▲ Adjustable Sensitivity / Volume Control
- ▲ Visual Signal Strength Indicator
- ▲ Contains Hi-Gain Hi-Impedance Amplifier
- ▲ Non-Conductive Probe Tip
- ▲ Detects FOX Jr. Signal from up to 12" away
- ▲ Earphone Jack
- ▲ Power Beeper Reminder
- ▲ Powered by one A23 Battery (included)
- ▲ One Year Warranty

**Cat. No. 3375: Fox Jr. & Hound Jr. Kit**



The New Fox Jr. & Hound Jr. includes a Padded, Cordura Carrying Case to help keep your Wire Tracing Kit together and protected.

The Model 5 was engineered with use and abuse in mind with superior resistance to shock and extreme temperatures. It is so user friendly that even first time users can make tests quickly and accurately.



**Model 5**  
Subscriber Loop Test Set with Digital Display

- ▲ Portable & Durable
- ▲ 3.5 Digit LCD Readout
- ▲ Transmission Test Set
- ▲ DC and AC Volt / Ohmmeter
- ▲ 17 Frequency Multitone Generator (2 are user selectable)
- ▲ Bridged or Terminated Input @ 600 or 900 Ohms
- ▲ True RMS Detector
- ▲ Lid Switch Shut-off
- ▲ 3 Year Warranty



**Cat. No. 3060:** Model 5 Loop Test Set

Triplett engineers used the valuable input of field installers to design the Model 4, an analog tester that's capable of handling any situation that may arise in the field with the accuracy of units costing much more.



**Model 4**  
Subscriber Loop Test Set with Analog Display

- ▲ Portable & Durable
- ▲ Ruggedized Analog Scale
- ▲ Transmission Test Set
- ▲ DC and AC Volt / Ohmmeter
- ▲ 17 Frequency Multitone Generator (2 are user selectable)
- ▲ 8455 Type Tester
- ▲ True RMS Detector
- ▲ Lid Switch Shut-off
- ▲ 3 Year Warranty

**Cat. No. 3040:** Model 4 Loop Test Set



**Model 310-TEL**  
The favorite Hand-Held Analog VOM in the Telecommunications field.

- ▲ Hand-Held Analog VOM
- ▲ Designed with the telco service person in mind
- ▲ 16 Ranges and Functions
- ▲ Polarity Reversing Switch
- ▲ 3 Year Warranty

**Cat. No. 3067:** Model 310-TEL



**Model 2**  
Transmission Test Set  
Packaged in a rugged, hand-sized, thermoplastic case.

- ▲ Line Loss
- ▲ Line Noise
- ▲ Power Influence
- ▲ Line Current
- ▲ DC and AC Volt / Ohmmeter
- ▲ 8455 Type Tester
- ▲ Hand-Sized Case
- ▲ 3 Year Warranty

**Cat. No. 3077:** Model 2



**Model 8455**

- ▲ Compact, Reliable, Industry Standard
- ▲ Checks Line Shorts, Opens & Multiple Ringers
- ▲ Measures DC Voltages and Resistance
- ▲ Ranges: Points 0-100; DC Volts 0-100
- ▲ Polarity-Reversing Switch
- ▲ R ÷ 10 Switch
- ▲ Reverse Switch for Line Checks
- ▲ Uses 1 - 45V Eveready #455 Battery (not included)
- ▲ 03 Year Warranty

**Cat. No. 3072:** Model 8455-L1 (w/ 79-619 leads & case)

**Cat. No. 3073:** Model 8455-L2 (tester only) (SSI #997 861 091)

**Cat. No. 3121:** Model 8455-L1 (w/ 79-662, 79-668 leads & case)

# TRIPLETT Telco Tester Selection Guide

Model Number Catalog Number	310-TEL Cat. No. 3067	8455 Cat. No. 3072	Model 2 Cat. No. 3077	Model 4 Cat. No. 3040	Model 5 Cat. No. 3060	
<b>TRANSMISSION TEST SET</b>	<b>Circuit Loss</b>	_____	_____	-50 to +11dBm $\pm 0.2$ dB 60Hz to 10KHz 735 Ohms	-50 to +13dBm $\pm 0.2$ dB 20Hz to 10KHz 600 Ohms	-40 to +10dBm $\pm 0.2$ dB 200Hz to 10KHz 600, 900 Bridge
	<b>Circuit Noise</b>	_____	_____	-10 to +41dBrc $\pm 0.2$ dB 735 Ohms	-10 to +43dBrc per Bell TR41009 600 Ohms	0 to +45dBrc $\pm 0.2$ dB 600, 900 Bridge
	<b>Power Influence</b>	_____	_____	50 to 101dBrc $\pm 0.4$ dB >100K Ohms	50 to 103dBrc per Bell TR41009 >50K Ohms	50 to 100dBrc $\pm 0.5$ dB >50K Ohms
	<b>Line Current</b>	_____	_____	0 to 100mA $\pm 2\%$ 430 Ohms	0 to 100mA $\pm 3\%$ 430 Ohms	0 to 199.9mA $\pm 1\%$ at 20mA
	<b>Detector</b>	_____	_____	Quasi-RMS	True-RMS	True-RMS
	<b>Filter</b>	_____	_____	C-message	C-message	C-message
	<b>Line Holding Current</b>	_____	_____	20 to 30mA	20mA min	20mA min

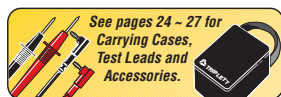
<b>VOM</b>	<b>DC Volts</b>	4 (3 to 300) 3% full scale 20K $\Omega$ / Volt	1 (100) 2% full scale 1K $\Omega$ / Volt	3 (15 to 300) $\pm 2\%$ 20K Ohms / Volt	3 (15, 60, 300) $\pm 2\%$ 2500 Ohms / Volt	2 (20, 200) $\pm 2\%$ rdg + 1 digit 1M Ohms
	<b>AC Volts</b>	4 (3 to 300) 4% @ 77°F 5K $\Omega$ / Volt	_____	2 (60, 300) $\pm 3\%$ 10K Ohms / Volt	2 (60, 300) $\pm 3\%$ 8.32K Ohms / Volt	2 (20, 200) $\pm 2\%$ rdg + 2 digits 1M Ohms
	<b>Resistance</b>	4 (x1 to x1K) 3% full scale 1.5V, 16V	2 (200K to 2M) 3% full scale 45V	2 (x1K, x10K) $\pm 3\%$ 1.5V & 45V	6 (x1 to x100K) $\pm 3\%$ 1.5V & 45V	3 (200, 2000, 2M) $\pm 2\%$ rdg + 1 digit 10V
	<b>DC Current (mA)</b>	4 (0.6 to 600) 3% full scale	_____	_____	_____	_____

<b>TONE GENERATOR</b>	<b>Factory Frequencies</b>	_____	_____	_____	15 (204Hz to 4804Hz) $\pm 0.5\%$ for 804 & 1004Hz	15 (204Hz to 4804Hz) -0.0% +0.5% for 804 & 1004Hz
	<b>User Selectable Freqs.</b>	_____	_____	_____	2	2
	<b>Quiet Termination</b>	_____	_____	_____	Yes	Yes
	<b>Level</b>	_____	_____	_____	-40 to +10dBm $\pm 0.2$ dB 600 Ohms	-40 to +5.5dBm $\pm 0.2$ dB 600 Ohms
	<b>Output Jacks</b>	_____	_____	_____	V-O Jacks	V-O Jacks

<b>FEATURES</b>	<b>Kick Test</b>	Yes	Per KS-8455	Per KS-8455	Per KS-8455	_____
	<b>Lidded Case</b>	_____	_____	_____	Yes	Yes
	<b>Hand-sized Case</b>	Yes	Yes	Yes	_____	_____
	<b>Auto Power-Off</b>	_____	_____	_____	Yes (by closing Lid)	Yes (by closing Lid)

<b>PHYSICAL</b>	<b>Operating Temperature</b>	0 to 50°C	-20 to +50°C	-20 to +50°C	0 to +50°C	-20 to +50°C
	<b>Fuses</b>	1/16A / 250V Ohms	_____	300mA / 250V on VOM	1A / 250V on VOM & Tone	1A / 250V on VOM & Tone
	<b>Batteries</b>	1 - NEDA 220 1 - NEDA 910F	1 - 45V (Everready#455)	2 - 9V	2 - 9V, 1 - C cell, 2 - 22 1/2V	2 - 9V
	<b>Dimensions (H x W x D)</b>	4.25 x 2.75 x 1.3 in.	5.5 x 3.8 x 2.6 in.	7.1 x 3.6 x 2.0 in.	7.5 x 5.5 x 4.8 in.	7.5 x 5.5 x 4.8 in.
	<b>Weight</b>	2 lbs.	1 lb.	1 lb.	5 lbs.	3.5 lbs.

**All Accuracies are Basic Accuracies for the Indicated Function.  
Accuracies for units with analog meter are percent of full scale.  
Accuracies for unit with digital display are percent of reading.**





## Model 2000

The Model 2000 is the perfect test set when no Cab Filters are needed.

- ▲ Base unit with no Cab Filters
- ▲ Upgradable to a 2001, 2002 or 2003
- ▲ Auto Polarity in DC functions
- ▲ Selectable DC Amps Polarity
- ▲ Direct measurement of Code Parameters
- ▲ Relay Contact On Time (Dry Contact) requires no adjustment
- ▲ Ohmmeter Voltage Mode detects either polarity voltage including AC
- ▲ Field replaceable protective window

**Cat. No. 2010: Model 2000**



## Model 2001

The Model 2001 includes all of the features of the Model 2000 with the addition of Cab Filters. The Model 2001 was designed for passenger railroads using 100Hz and 250Hz coding systems.

- ▲ 100Hz and 250Hz Cab Filters
- ▲ All Pass position - bypasses Cab Filters
- ▲ Auto Polarity in DC functions
- ▲ Selectable DC Amps Polarity
- ▲ Direct measurement of Code Parameters
- ▲ Relay Contact On Time (Dry Contact) requires no adjustment
- ▲ Ohmmeter Voltage Mode detects either polarity voltage including AC
- ▲ Field replaceable protective window

**Cat. No. 2011: Model 2001**



## Model 2002

The Model 2002 also includes all of the features of the Model 2000 with the addition of Cab Filters. The Model 2002 was designed for rapid transit / commuter type railroads using 100Hz and 200Hz coding systems.

- ▲ 100Hz and 200Hz Cab Filters
- ▲ All Pass position - bypasses Cab Filters
- ▲ Auto Polarity in DC functions
- ▲ Selectable DC Amps Polarity
- ▲ Direct measurement of Code Parameters
- ▲ Relay Contact On Time (Dry Contact) requires no adjustment
- ▲ Ohmmeter Voltage Mode detects either polarity voltage including AC
- ▲ Field replaceable protective window

**Cat. No. 2012: Model 2002**



## Model 2003

The Model 2003 also includes all of the features of the Model 2000 with the addition of Cab Filters. The Model 2003 was designed for railroads using 60Hz and 100Hz coding systems.

- ▲ 60Hz and 100Hz Cab Filters
- ▲ All Pass position - bypasses Cab Filters
- ▲ Auto Polarity in DC functions
- ▲ Selectable DC Amps Polarity
- ▲ Direct measurement of Code Parameters
- ▲ Relay Contact On Time (Dry Contact) requires no adjustment
- ▲ Ohmmeter Voltage Mode detects either polarity voltage including AC
- ▲ Field replaceable protective window

**Cat. No. 2013: Model 2003**

## 2000 Series Specifications

### DC Voltage

**Ranges:** 0.6, 3, 15, 60, and 300 VDC  
**Accuracy:** ±1.5% of full scale  
**Sensitivity:** 1000 ohms per volt

### AC Voltage

**Ranges:** 1.5, 3, 15, 150, 300, and 600 VAC  
**Accuracy:** ±3.0% of full scale  
**Sensitivity:** 288 ohms per volt  
**Calibration:** Average responding, RMS calibrated  
**Frequency Response:** 25 Hz to 400 Hz

### DC MilliAmps

**Ranges:** 15, 60, and 300 mA DC  
**Accuracy:** ±1.5% of full scale  
**Burden Volts:** 60 mV nominal

### DC Amps

**Ranges:** 1.5, 6, and 30 Amps DC  
**Accuracy:** ±1.5% of full scale  
**Burden Volts:** 60 mV nominal

### AC Amps

**Ranges:** 1.5, 6, and 30 Amps AC  
**Accuracy:** ±3.0% of full scale  
**Burden Volts:** 60 mV nominal  
**Calibration:** Average responding, RMS calibrated  
**Frequency Response:** 25 Hz to 400 Hz

### Cab Filter Response (all AC Ranges)

**60 Hz Filter:** 57 to 63 Hz (2003)  
**100 Hz Filter:** 92 to 100 Hz (2001, 2002 & 2003)  
**200 Hz Filter:** 196 to 204 Hz (2002)  
**250 Hz Filter:** 245 to 255 Hz (2001)

All filters introduce an additional ±1.5% level error

### Code Functions (all AC and DC Ranges)

**On Time:** **Range:** 3% to 100%  
**Accuracy:** ±3.0% of full scale  
**Rate:** **Range:** 30 to 500cpm  
**Accuracy:** ±3.0% of scale length  
**Peak Hold:** Captures and holds highest level peak  
**Peak Follow:** Displays all peaks > 25% of previous peaks

### Ohmmeter

**Voltage Sense Mode:**  
**Range:** 15 V AC or DC  
**Accuracy:** ±20% Typical  
**Sensitivity:** 1000 ohms per volt

### Resistance Measurement Mode:

**Ranges:** R x 1 and R x 100  
**Center Scale:** 5 and 500 ohms  
**Accuracy:** ±2% of scale length ±0.5 ohms  
**Open Circuit Voltage:** 1.0 to 1.8 VDC

### Dry Contact

**Allowable Contact Resistance:** 0 to 100 ohms  
**Test Voltage:** 7.5 to 15 VDC  
**Test Current:** 830 µA max  
**On Time:** **Range:** 0 to 100 %  
**Accuracy:** ±2% of full scale  
**Rate:** **Range:** 30 to 500 cycles per minute  
**Accuracy:** ±3% of scale length  
**Peak Hold:** Pointer will deflect to full scale and remain there with a 2.0 millisecond or longer contact closure

### Power Requirements

**Batteries:** Two, 9 volt alkaline (NEDA 1604)  
 One, 1.5 volt alkaline D-cell (NEDA 13F)  
**Battery Life:** 320 hours (Typical)  
 2000 hours in Sleep Mode  
 (can be disabled via jumper in the field)

### Meter Movement

**Electrical:** 100µA ±1% at full scale  
**Construction:** Taut band, shock mounted, 100 degree deflection, critically damped, Mirrored Scale, Bar-ring magnet

### Physical Specifications

**Size:** 5.0" wide x 6.5" high x 3.2" deep  
**Weight:** Approx. 2.75 lbs. w/ case and leads  
**Operating Temperature Range:** -40° C to +85° C

### Included Accessories

Yellow Padded Carrying Case, Shoulder Strap, Right Angle Safety Test Leads, Batteries, Spare Fuse, Instruction Manual, Calibration Certificate & Sticker

### Warranty

One Year on Construction & Calibration

# Triplett AutoLoader

## Multi-Bit Screwdrivers

**Exclusive Pump Action Mechanism Changes Bits INSTANTLY!**

- ▲ High Grade Metal Component Construction
- ▲ Chemical and Shock Resistant Plastics
- ▲ Comfortable Anti-Roll Handle
- ▲ Rotating Front Collar for Fine Adjustments
- ▲ Loaded with 3 Slotted & 3 Phillips Industrial Grade Bits
- ▲ Bit Loads are Fully Customizable -  
Load your AutoLoader with the Bits you use most!
- ▲ All Bit Tips are Magnet
- ▲ Lifetime Warranty on Mechanism



**3 Easy Steps**

1. Pull Back the Handle
2. Rotate the Shaft to Select Your Desired Bit
3. Push the Handle Forward

**Your Bit of Choice is Delivered INSTANTLY!**

## 2 Models to Choose From:

### Triplett AutoLoader .....

- ▲ Plastic Shaft
- ▲ Perfect for occasional use or the Do-It-Yourselfer

Cat. No. TAL-001P: In POP Display

Cat. No. TAL-001C: Clam-Shell Packaging

### Triplett Professional AutoLoader .....

- ▲ Metal Shaft
- ▲ Professional Grade for the Serious User

Cat. No. TPAL-001P: In POP Display

Cat. No. TPAL-001C: Clam-Shell Packaging



### ..... Triplett Bit Kit

#### 31 Piece Industrial Grade Bit Kit

- ▲ Customize your AutoLoader with the Bits YOU need most!
- ▲ Set Contains:
  - Phillips: P0, P1, P2, PHR2, P3
  - Slotted: 5/32" (2 pcs.), 7/32", 1/4", 9/32"
  - Torx: T10, T15, T20, T25, T27, T30, T40
  - Hex: 5/64", 3/32", 7/54", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"
  - Square: 1, 2, 3
  - Quick Change Locking Bit Adaptor for power drill
- ▲ Kit conveniently packaged in a compact case with Belt Clip

Cat. No. TBK-001P: In POP Display

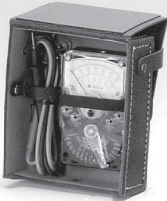
Cat. No. TBK-001C: Clam-Shell Packaging



**Model 369**  
**Cat. No. 10-1258**

Compact case with belt loop.

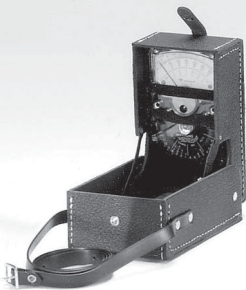
Accommodates the following Models:  
310 Series,  
1101-A



**Model 369-S**  
**Cat. No. 10-1791**

Flap folds back to form stand.

Accommodates the following Models:  
310 Series



**Model 369-T**  
**Cat. No. 10-1608**

Includes Neck Strap for hand-free use.

Accommodates the following Models:  
310 Series



**Case w/ Belt Loop**  
**Cat. No. 10-2969**

Roomier than the Model 369.  
Also includes a belt loop.

Accommodates the following Models:  
310 Series,  
1101-A



**Model 379**  
**Cat. No. 10-1456**

Specially designed to hold all of the components of the Model 100 Series.

Accommodates the following Models:  
100 Series



**669-OS**  
**Cat. No. 10-1792**

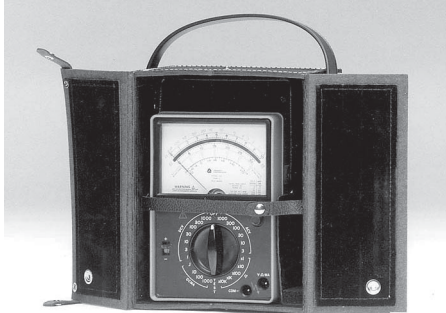
Case with snap front and handle.

Accommodates the following Models:  
666-R



**Model 639-C**  
**Cat. No. 10-4152**

Padded, Cordura case with strap.  
Accommodates the following Models:  
60 Series, 630 Series



**Model 639-A**  
**Cat. No. 10-2739**

"Barn door" opening front with snap back cover and handle.  
Accommodates the following Models:  
60 Series, 630 Series



**Model 639**  
**Cat. No. 10-823**

Top opening case with handle.

Accommodates the following Models:  
60 Series, 630 Series



**Model 639-N**  
**Cat. No. 10-1189**

"Barn door" opening front with snap back cover and handle.

Accommodates the following Models:  
630 Series



**Model 639-OS**  
**Cat. No. 10-1793**

Front opening case with "hook and loop fastener", handle and stand.

Accommodates the following Models:  
630 Series



**Econo Case 1**  
**Cat. No. 10-3931**

Economical vinyl case with zipper.

Accommodates the following Models:  
310 Series,  
1101-A, 3303,  
WireMaster XR-2 & RJ-45



**Vinyl Case**  
**Cat. No. 10-4289**

Padded, vinyl carrying case with zipper and loop.

Accommodates the following Models:  
9000 Series DMMs,  
9000 Series Clamp-Ons



**Model 369-V**  
**Cat. No. 10-2959**

Padded, vinyl carrying case with zipper and loop.

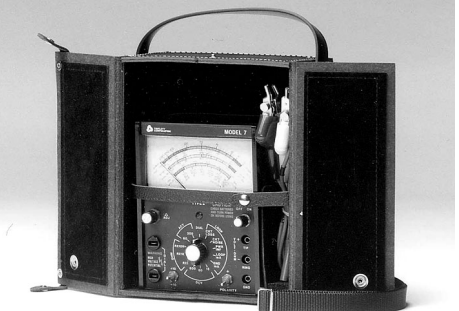
Accommodates the following Models:  
310 Series,  
1101-A



**Model 2 Case**  
**Cat. No. 10-3525**

Case with snap front and handle.

Accommodates the following Models:  
Model 2



**Model 7 Case**  
**Cat. No. 10-3712**

"Barn door" opening front with snap back cover, handle stand and strap.

Accommodates the following Models:  
Model 7 with Accutone or Terminator





**Fox & Hound Carrying Case**  
Cat # 10-3983

- ▲ Soft, Padded Interior
- ▲ Durable "Cordura" Exterior
- ▲ Large Belt Loop with Snaps
- ▲ Velcro® Flap Closure
- ▲ Pocket adjusts to hold either the Original Hound or Hound 2 Probe

Accommodates the following Models:  
Fox & Hound Series,  
WireMaster XR-2



**Fox, FOX 2 & Hound 3 Carrying Case**  
Cat # 10-4291

- ▲ Soft, Padded Interior
- ▲ Durable "Cordura" Exterior
- ▲ Large Belt Loop with Snaps
- ▲ Velcro® Flap Closure
- ▲ Deeper pocket holds the Hound 2 or Hound 3 Probe with the Duck-Bill Tip installed

Accommodates the following Models:  
Fox or Fox 2 with Hound 2 or Hound 3



**Fox Jr. & Hound Jr. Carrying Case**  
Cat # 10-4290

- ▲ Soft, Padded Interior
- ▲ Durable "Cordura" Exterior
- ▲ Belt Loop
- ▲ Velcro® Flap Closure

Accommodates the following Models:  
Fox Jr. & Hound Jr., Sniff-It, Sniff-It 2



**TDR Case**  
Cat. No. 10-4249

Durable cordura case with belt loop and deep pocket.

Accommodates the following Models:  
TDR, 3526-B, WireMaster XR-5



**LAN TDR Case**  
Cat. No. 10-4250

Durable cordura case with belt loop, deep pocket and 2 small pockets.

Accommodates the following Models:  
LAN TDR, Breaker Sniff-It, PairMaster

**Universal Carrying Case**  
Cat. No. 10-4275

Fits virtually any Standard or Compact Sized Multimeter or Clamp-On with Test Leads

- ▲ Durable "Cordura" Exterior
- ▲ Soft, Padded Interior
- ▲ Large Belt Loop with Snaps
- ▲ 2 - Velcro® Flap Closures hold your tester safe and secure

**The Triplett Universal Carrying Case has a specially designed pocket and 2 large, adjustable flaps that open wide allowing for quick & easy access to your tester and leads.**



## 79-798

### Replacement Duck-Bill Tip



- ▲ Interchangeable with existing metal probe tip on all Hounds
- ▲ Conductive plastic picks up signal while eliminating shorts
- ▲ Duckbill design fits between wires in cable bundles
- ▲ New shape maximizes signal strength.... better pickup
- ▲ No tools required to change - simple screw-in design
- ▲ High resistance reduces shock hazard
- ▲ Durable construction

## 2455-824

### RJ-45 to BNC Adaptor



- ▲ Use with the Fox 2 for tracing BNC Cables
- ▲ Ground clip helps improve signal strength

## 79-796

### Breaker Sniff-It Adapter Kit

Enhance the functionality of your New Breaker Sniff-It with this handy adapter kit.

Kit Includes:

- Light Socket Adapter
- Alligator Clip Adapter



## 79-761

### K-type Thermocouple Bead Probe

general purpose probe,  
not suitable for liquids

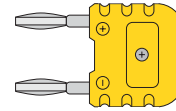
Probe: Bead, 48" long  
Measurement Range: -40 to 1562° F, -40 to 850° C



## 79-799

### Thermocouple Adaptor

Female Subminiature SMP Connector  
to Male Dual Banana (3/4" spacing)



## 79-792

### BNC to Alligator Clip Adaptor

Replacement lead for the Triplet TDR (3271)  
Can also be used with the WireMaster Coax (3274)



### PairMaster Remote Identifiers:

**3240-18:** Remotes #5 to #8

**3240-19:** Remotes #9 to #12

**3240-20:** Remotes #13 to #16

**3240-22:** Remotes #1 and #2

**3240-23:** Remotes #3 and #4



## TRIPLETT Test Leads

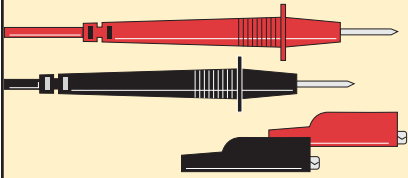
### Model 310 Series Test Leads

The Model 310 Series Test Leads all use Mini-Banana Jacks



#### 79-153

42" Test Leads with Mini-Banana Jacks & Insulated Screw-On Alligator Clips



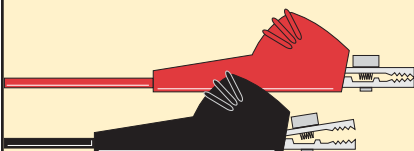
#### 79-206

48" Test Leads with Mini-Banana Jacks and Insulated Alligator Clips



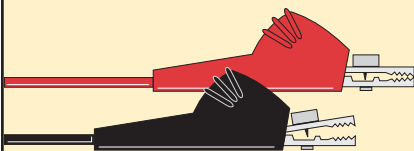
#### 79-695

Test Leads with Mini-Banana Jacks and Pin Cushion Clips



#### 79-722

Test Leads with Mini-Banana Jacks and Spike Clips

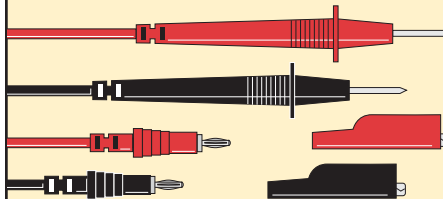


### Model 60 Series, 630 Series, 666-R, & G/P Series Test Leads

#### 79-127

48" Test Leads with Insulated Screw-On Alligator Clips

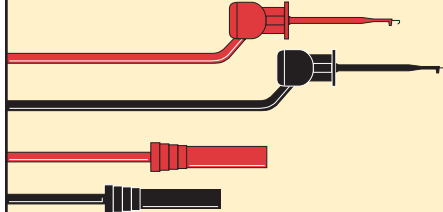
For use on the Models 630 Type 1, 2, and 3, 630-NA, 630-NS, 630-PL, 630-PLK, 666-R, G/P Series



#### 79-373

48" Test Leads with Miniature Clips (female jack)

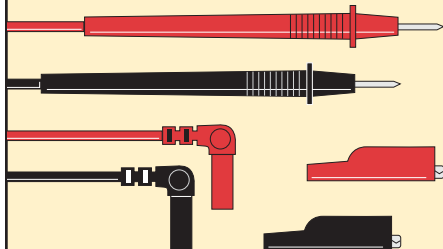
For use on the Models 60, 60-NA, 630 Type 4 and later



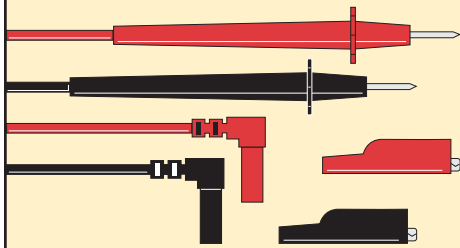
#### 79-374

48" Test Leads with Insulated Screw-On Alligator Clips. (female jack)

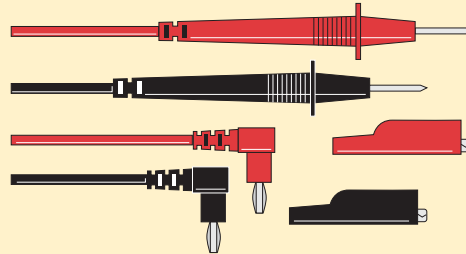
For use on the Models 60, 60-NA, 630 Type 4 and later



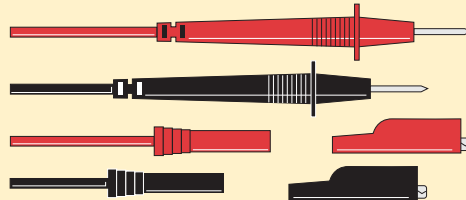
**Digital Multimeter Test Leads**



**79-760**  
48" Test Lead with Insulated Screw-On Alligator Clips  
For use on the Models: 9000 Series DIMMs & Clamp-Ons, 4404, 1101-A

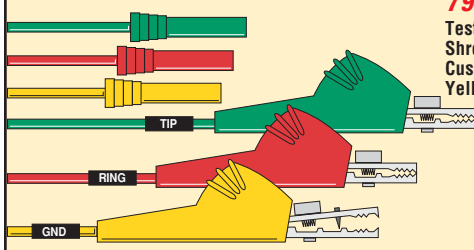


**79-728**  
42" Test Leads with Banana Jacks & Insulated Screw-On Alligator Clips.  
For use on the Models 5505, 3303 and 2202



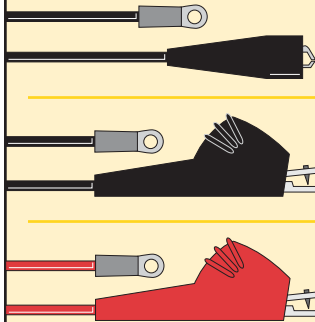
**79-513**  
48" Test Leads with Shrouded Jacks & Insulated Screw-On Alligator Clips.  
For use on the Models 4404, 1101

**Model 7 Test Leads**



**79-683**  
Test Lead Assembly with Shrouded Jacks and Pin Cushion Clips (Red, Yellow & Green)

**Model 8455 Test Leads**

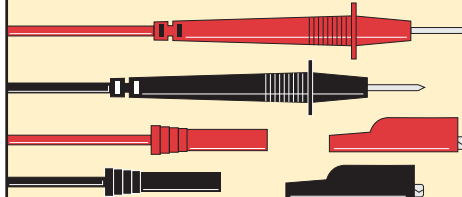


**79-619**  
72" Lead with Test Clip (Black)

**79-662**  
72" Test Lead with Spike / Pin Cushion Clip (Black)

**79-668**  
72" Test Lead with Spike / Pin Cushion Clip (Red)

**Models 2, 4 & 5 Test Leads**

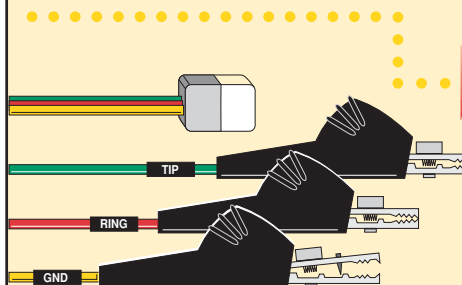


**79-513**  
48" Test Leads with Shrouded Jacks & Insulated Screw-On Alligator Clips.  
For use on the Models 2, 4 and 5



**79-519**  
Lead Assembly, W E 310 Plug to Modular Plug.

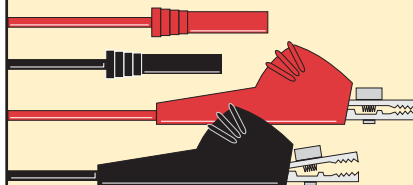
For use on the Models 4 and 5



**79-493**  
Combination of the 79-519 and 79-537

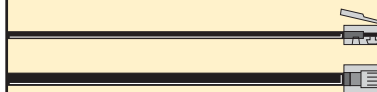
**79-537**  
Test Lead Assembly with Modular Jack and Pin Cushion Clips.

For use on the Models 2, 4 and 5



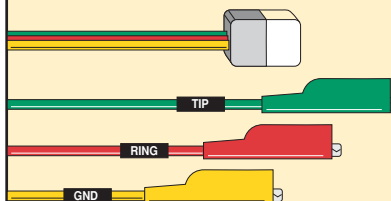
**79-548**  
Test Leads with Shrouded Jacks and Pin Cushion Clips

For use on the Models 4 and 5



**79-635**  
Lead Assembly, Modular Plug to Modular Plug.

For use on the Model 2



**79-636**  
Test Lead Assembly with Modular Jack and Alligator Clips (Red, Yellow & Green).

For use on the Model 2



## **The Triplet Experience**

**In January of 2007, Triplet joined the Jewell Instruments' group of brand name products and we are excited to continue the legacy started by Ray L. Triplet over 100 years ago. Today the Triplet brand exemplifies the highest quality, most technologically advanced, rugged and reliable Test Equipment products in the marketplace.**

**Jewell is proud to continue the Triplet tradition of excellence and pledges to deliver world class customer service, as well as our renowned Analog and Digital Multimeters, Digital Clamp-ons, Line Tracing Tools, Voltage Detecting Equipment, Non-Contact IR Thermometers and so much more . . . all at the most economical prices around!**

**All of us at Jewell Instruments value your business and we are confident that once you try Triplet brand Test Equipment, you will become a customer for life!**

**When you want the best, ask for Triplet!**



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