

Full Line Product Catalog

**SPERRY™**  
**INSTRUMENTS**

Durable.  
Accurate.  
Safe.®



**Actuant**  
ELECTRICAL



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Electrical Probes

Electrical probes are an integral part of any tool bag. The new Sperry Instruments probes were designed with input from professional users, meeting the stringent demands of the job site. Durability, accuracy, and safety were the three most important qualities expected of electrical probes and these products exceed expectations. The industry leading ten foot drop rating and two hundred fifty pound crush rating ensure a good product for a lifetime. To prove it, these units have a lifetime guarantee.







Electrical Offering Quick Chart



Model		PD6902 Stud Finder	CS61200 Circuit Breaker Finder	CS550A Circuit Breaker Finder	VC61000 Voltage Continuity Tester	VT611 Voltage Tester	VC6300 Voltage Continuity Tester	ET6206 Voltage Tester	ET6207 Voltage Continuity Tester
FUNCTIONS	AC Voltage	120V	120V	80–140V	24–600V	120–600V	120–600V	80–480V	80–480V
	DC Voltage	–	–	–	6–220V	120–600V	120–600V	80–480V	80–480V
	Non-Contact Voltage	✔	–	–	✔	–	–	–	–
	Polarity	–	–	–	✔	✔	✔	–	✔
	Continuity	–	–	–	✔	–	✔	–	✔
	Tracing	–	✔	✔	–	–	–	–	–
FEATURES	Audible	✔	✔	✔	✔	–	✔	–	–
	Visual	✔	✔	✔	✔	✔	✔	✔	✔
	Vibration	–	–	–	–	✔	✔	–	–
	Lead Length	–	–	–	30"	26"	26"	30"	30"
	Pocket Clip	–	–	–	–	–	–	–	–
	Agency Approval								
	Drop Rating	10'	10'	–	10'	10'	10'	10'	10'
	Crush Rating	250 Lb	250 Lb	–	250 Lb	250 Lb	250 Lb	250 Lb	250 Lb
	CAT Rating	–	–	–	IV 600V, III 1000V	III 600V	III 600V	III 600V	III 600V
	Warranty								

Electrical Offering Quick Chart



Model		VD6504 Non-Contact Volt Sensor™	VD6505 Non-Contact Volt Sensor™	HGT6120 Outlet Tester	GFI6302 Outlet Tester	ET6204 Voltage Tester	ET6102 Voltage Tester	ST6401 Screwdriver Tester	CT6101 Continuity Tester
FUNCTIONS	AC Voltage	50–1000V	12–1000V	120V	120V	80–480V	80–250V	12–250V	–
	DC Voltage	–	–	–	–	80–480V	80–250V	12–250V	–
	Non-Contact Voltage	✔	✔	–	–	–	–	–	–
	Polarity	–	–	–	–	–	–	–	–
	Continuity	–	–	–	–	–	–	✔	✔
	Tracing	–	–	–	–	–	–	–	–
FEATURES	Audible	✔	✔	–	–	–	–	–	–
	Visual	✔	✔	✔	✔	✔	✔	✔	✔
	Vibration	–	–	–	–	–	–	–	–
	Lead Length	–	–	–	–	6"	6"	–	–
	Pocket Clip	✔	✔	–	–	✔	✔	✔	✔
	Agency Approval								–
	Drop Rating	10'	10'	10'	10'	10'	10'	10'	10'
	Crush Rating	250 Lb	250 Lb	250 Lb	250 Lb	250 Lb	250 Lb	250 Lb	250 Lb
	CAT Rating	III 1000V, IV 600V	III 1000V, IV 600V	III 300V	III 300V	II 600V	II 300V	–	–
	Warranty								

PD6902 Scan-Test™ 5-in-1 Multi-Scanner

Locate studs, metal, or AC voltage behind the wall before cutting or nailing.

- Combined multi-scanner and electrical tester simplifies installation of electrical boxes, switches, and outlets
- 3-selectable modes: stud scan, metal scan, or AC voltage detection
- Detects metal pipes or objects to a maximum depth of 2.5" through .5" drywall
- Scans and locates wood or metal studs at a depth up to .75"
- Non-contact AC voltage detection (50–600VAC) to a maximum depth of 3.5" through .5" drywall
- Integrated 3-wire circuit analyzer with GFCI test functionality
- Built-in metal tip for marking stud edge, pipe location, or desired mounting point
- Over-molded rubber grips
- Audible and visual indication
- Operates from one 9 volt battery

PD6902	Range
Operational Voltage	120V AC
Non-Contact AC Voltage	50–600V
Frequency	60Hz
Circuit Analyzer	✓
GFCI	✓
Metal Detection	✓
Metal Studs	✓

with **CIRCUIT ALERT** technology  **LIFETIME** Warranty  Patented



CS61200 Breaker Finder™ Circuit Breaker Locator

Trace circuits to detect appropriate breaker.

- Quickly and easily identifies correct circuit breaker or fuse protecting a specific electrical circuit
- Designed for operation at 120V AC, 60Hz
- Audible alert and bright LED visual indication
- Magnetic back attaches to electrical panels for “hands-free” operation
- “Smart Meter” patented technology eliminates the need for adjustment dials
- When used with CS61200AS accessory kit, unit can trace switches, light fixtures, and other energized wiring
- Integrated lead and probe storage
- Operates from one 9 volt battery
- Transmitter integrates into the body for convenient transportation and storage
- Transmitter doubles as a 3-wire circuit analyzer with GFCI test functionality

CS61200	Range
Operational Voltage	120V
Frequency	60Hz
Plug-in Transmitter	✓

CS61200AS	Features
Insulated Leads	✓
Socket Adapter	✓

 **LIFETIME** Warranty  Patented



Discover What Lies Beneath

Whether searching for studs or simply installing bracing, knowing what lies beneath the surface can ensure a safe work environment. The Scan-Test™ integrates multiple technologies into one easy to use tool. Scan the wall to find either wood or metal studs for secure installations, while avoiding metal pipes or other metal objects behind the wall. Cuts or nicks in the insulation of wiring can cause long-term problems in electrical systems and even cause unsafe working conditions, so avoid nailing into a live wire behind the wall by scanning for AC voltage with Circuit Alert® technology. Correctly wired receptacles are a must, and this 5-in-1 multi-scanner includes an integrated outlet tester with GFCI test functionality.



Trace Back to the Breaker

Turning off the correct breaker is critical when considering work on an electrical circuit and can take an excessive amount of time. The Breaker Finder™ is an integrated tool used to correctly identify the right breaker every time. The signal is generated by a plug style tool that also verifies the correct wiring of outlets and includes GFCI test functionality. The patented probe design indicates the signal strength through both an audio tone and a visual strength indication. Magnets located on the tester allow for easy placement and operation. The nested design of the tone generator means that the units will not be separated during transport or storage.





VT611 Heavy-Duty Voltage Tester 120–600 VAC/DC

The best heavy-duty voltage tester in the market.

- Tests voltage from 120–600V AC/DC
- Voltage indication through both solenoid vibration and bright visual indicators
- Polarity indication for DC Voltage
- Sta-Flex™ 36" cold weather leads with strain reliefs
- Snap-in leads are spaced to fit a standard outlet for “hands-free” operation
- Heavy-duty construction with over-molded rubber grips
- Integrated probe storage

VT611	Range
AC Voltage	120–600V
DC Voltage	120–600V
Frequency	50–60Hz
Polarity	✓
Vibration	✓
Continuity	–
CAT Rating	III 600V



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Measure Voltage in Panels



2 Indications of Voltage



“Hands-Free” Operation

VC6300 Volt Doctor™ Voltage-Continuity Tester 120–600 VAC/DC

Heavy-duty voltage and continuity tester designed for the most demanding applications.

- Tests voltage from 120–600V AC/DC
- Voltage indication through both solenoid vibration and bright visual indicators
- Polarity indication for DC Voltage
- Heavy-duty construction with over-molded rubber grips
- Snap-in leads are spaced to fit a standard outlet for “hands-free” operation
- Sta-Flex™ 36" cold weather leads with strain reliefs
- Integrated probe storage
- Continuity function operates from (2) LR44 button cell batteries
- Audible and visual indicators used for continuity testing

VC6300	Range
AC Voltage	120–600V
DC Voltage	120–600V
Frequency	50–60Hz
Polarity	✓
Vibration	✓
Continuity	✓
CAT Rating	III 600V



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Bright Indication of Continuity



Measure Voltage at Outlets



“Hands-Free” Operation

VC61000 Volt Check™ Voltage-Continuity Tester

Multi-function tool indicates voltage level, tests continuity, and includes non-contact AC voltage detection.

- Circuit Alert® non-contact AC voltage detection in tip (50–600V AC)
- 24–600V AC; 6–220V DC with polarity indication
- “Smart Meter Technology” automatically selects voltage or continuity test; no adjustment dials or range selection necessary
- Magnetic back attaches to electrical panels for “hands-free” operation
- 36" Sta-Flex™ cold weather leads with strain reliefs
- Integrated probe storage
- Operates from (3) AAA batteries

VC61000	Range
Contact AC Voltage	24–600V
Non-Contact AC Voltage	50–600V
DC Voltage	6–220V
Frequency	50–60Hz
Polarity	✓
Continuity	✓
Audible	✓
CAT Rating	III 1000V, IV 600



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Smart Meter Technology Leads the Way

The Volt Check™ integrates many functions required for installations and trouble-shooting into one heavy-duty tool. This Smart Meter easily adjusts to the required application without the need to adjust any dials. The integrated Circuit Alert® technology for non-contact AC voltage detection uses the only button found on the test unit! Move from continuity testing to AC or DC voltage measurements without making a single adjustment. Magnets molded into the back of the unit allow for total lead control while testing. The versatility of this tester, combined with the ten foot drop rating and two hundred fifty pound crush rating, make it one of the most durable, accurate, and safe electrical probes on the market today.





ET6206 Heavy-Duty, 4-Range Voltage Tester 80–480 VAC/DC

Easy, “hands-free” multi-range voltage tester for users who expect the best.

- Tests voltage from 80–480V AC/DC (4-range indication)
- Heavy-duty construction with over-molded rubber grips
- Snap-in leads are spaced to fit standard outlet for “hands-free” operation
- Sta-Flex™ 36" cold weather leads
- 4 Hi-Vis™ indicators
- Integrated probe storage

ET6206	Range
AC Voltage	80–480V
DC Voltage	80–480V
Frequency	60Hz
Polarity	–
Continuity	–
CAT Rating	III 600V



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Measure Voltage in Panels



“Hands-Free” Operation

ET6207 Heavy-Duty, Voltage-Continuity Tester 80–480 VAC/DC

Heavy-duty voltage and continuity tester designed for any number of job site applications.

- Tests voltage from 80–480 VAC/DC (4-range indication)
- Dual function voltage and continuity tester
- Snap-in leads are spaced to fit standard outlet for “hands-free” operation
- Sta-Flex™ 36" cold weather leads
- 4 Hi-Vis™ indicators
- Integrated probe storage
- Operates from (2) LR44 batteries

ET6207	Range
AC Voltage	80–480V
DC Voltage	80–480V
Frequency	60Hz
Polarity	✓
Continuity	✓
CAT Rating	III 600V



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Verify Continuity



Measure Voltage in Panels



“Hands-Free” Operation

CS550A Circuit Breaker Finder

Quickly locate AC circuit breakers or fuses to ensure a safe working condition.

- No need to interrupt power
- Bright LED's on both transmitter and receiver
- Audible and visual indication
- Safe for use near sensitive electronic equipment
- Includes transmitter and receiver
- Receiver operates from one 9 volt battery

CS550A	Range
Operational Voltage	80–140V
Frequency	50–60Hz
Audible	✓
Visual	✓



Plug Style Transmitter



Auto Sensing Receiver

VD6504 Non-Contact Volt Sensor™ 50–1000 VAC

Verify the presence of AC voltage prior to working on any application.

- Non-contact sensing circuit detects 50–1000 VAC
- Audible and 360° visual indication
- Operates from single AAA battery
- Patented battery self-test feature
- Pocket clip

VD6504	Range
AC Voltage	50–1000V
Frequency	50–60Hz
Adjustable	–
CAT Rating	III 1000V, IV 600



Simple One-Button Operation



Audible and Visual Indication

VD6505 Adjustable Non-Contact Volt Sensor™ 12–1000 VAC

The adjustable Volt Sensor™ allows for sensitivity adjustments in multiple-wire applications when precision and safety are crucial.

- Adjustable non-contact sensitivity detects voltage from 12–1000 VAC
- Audible and 360° visual indication
- Operates from single AAA battery
- Patented battery self-test feature
- Pocket clip

VD6505	Range
AC Voltage	12–1000V
Frequency	50–60Hz
Adjustable	✓
CAT Rating	III 1000V, IV 600



Adjustable Sensitivity



Low-Voltage Applications





HGT6120 Stop Shock™ GFCI Circuit-Ground Analyzer

Advanced circuitry detects hazardous ground conditions not identified by standard outlet testers.

- Tests standard 3-wire and GFCI protected 120V outlets
- Three color LED's indicate 7 common wiring conditions
- Wiring condition legend is listed on top and bottom of tester
- GFCI function tests GFCI outlets and standard outlets wired in series with GFCI outlets (e.g. multiple outlets in kitchen or bath)
- Compact ergonomic design
- Over-molded rubber grips

HGT6120	Range
Operational Voltage	120V AC
Frequency	60Hz



GF16302 GFCI Outlet Tester

Tests standard 3-wire and GFCI protected 120V outlets.

- Neon lamps indicate 7 common wiring conditions
- Wiring condition legend is listed on top and bottom of tester
- GFCI function tests GFCI and standard outlets wired in series with GFCI outlets (e.g. multiple outlets in kitchen or bath)
- Compact ergonomic design
- Over-molded rubber grips

GF16302	Range
Operational Voltage	120V AC
Frequency	60Hz



Standard or GFCI Outlet Testing



Legend on Top and Bottom

The Importance of Ground

The Stop Shock™ is more than a mere 3-wire outlet tester with GFCI test functionality. Beyond the verification of correctly wired outlets, this unique tool ensures that the ground path does not have too much resistance. Improper grounding paths can cause multiple hazardous conditions including, but not limited to, the failure of a breaker to trip in a hazardous condition, energized metal housing, and many other hazardous conditions. If the ground resistance is greater than 10 ohms, this unit will illuminate a red indicator light to warn of a bad ground at the outlet. The integrated GFCI test functionality makes this the right tool for any Electrician or Electrical Inspector.



ET6204 4-Range Voltage Tester

Tests for voltages from 80–480 V AC/DC.

- Patented, snap-in leads are spaced to fit a standard outlet for easy, “hands-free” testing
- Compact ergonomic design
- Hi-Vis™ voltage indication

ET6204	Range
AC Voltage	80–480V
DC Voltage	80–480V
Frequency	60Hz
Pocket Clip	✓
CAT Rating	II 600V



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Hi-Vis™ Voltage Indication



Heavy-Duty Design

ET6102 Single Range Voltage Tester

Tests for voltages from 80–250 V AC/DC.

- Patented, snap-in leads are spaced to fit a standard outlet for easy, “hands-free” testing
- Compact ergonomic design
- Hi-Vis™ voltage indication

ET6102	Range
AC Voltage	80–250V
DC Voltage	80–250V
Frequency	60Hz
Pocket Clip	✓
CAT Rating	II 300V



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Hi-Vis™ Voltage Indication

ST6401 Screwdriver-Voltage-Continuity Tester

From mechanical to electrical, this three function unit is perfect for multiple applications.

- Tests both AC and DC voltages from 12 to 250 Volts
- Verifies continuity in unenergized circuits
- 360° visual indication
- Reinforced flat head screwdriver tip designed for most faceplate screws
- Pocket Clip
- Operates from (2) LR44 button cell batteries

ST6401	Range
AC Voltage	12-250V
DC Voltage	12-250V
Continuity	✓



Test AC Voltage

CT6101 Heavy Duty Continuity Tester

Test for breaks in non-energized wires or cords.

- Bright 360° visual indication
- Durable, heavy duty tip
- 36" flexible leads with insulated alligator clip
- Pocket Clip
- Operates from (2) AAA batteries

CT6101	Range
Pocket Clip	✓
Visual Indication	✓



Verify Fuse Viability

Digital Multimeters











Digital multimeters combine multiple functions within the same tool. The new Sperry Instruments products have been developed to meet the needs of the most demanding professional. High-impact housings and integrated protection ensure a safe and durable product. Each unit offers unique functionality, providing every professional with a choice based on their individual needs.





## Meter Offering Quick Chart



Model		DM5300	DM8700	DM2A	HSP5	HSP10
FUNCTIONS	AC Voltage	750V	750V	450V	300V	500V
	DC Voltage	1000V	1000V	450V	300V	500V
	AC Current	10A	20A	—	—	—
	DC Current	10A	20A	—	250mA	250mA
	True RMS	—	✔	—	—	—
	Resistance	✔	✔	✔	✔	✔
	Diode Test	✔	✔	✔	—	—
	Continuity (Audible)	✔	✔	✔	—	—
	Temperature (Probe type)	—	—	—	—	—
	Battery Testing	✔	—	—	—	✔
FEATURES	Manual or Auto Ranging	Manual	Manual	Auto	Manual	Manual
	Total Functions	9	11	4	5	6
	Total Ranges	30	34	17	13	15
	Display Count	1999	19999	3999	—	—
	Low Battery Indicator	—	—	✔	—	—
	Auto Off	—	✔	✔	—	—
	Rubber Boot or Molding	✔	—	—	—	—
	Magnet Strap	—	—	—	—	—
	Backlit LCD	✔	—	—	—	—
	Agency Approval					
	CAT Rating	II 1000V	II 750V	II 450V	II 300V	II 500V
	Warranty					

# Multimeters

## DM6200 4 Function Digital Multimeter

- Manual range selection for user defined resolution requirements
- Compact, lightweight design
- AC/DC voltage capable
- Impact resistant housing with protective rubber overmold
- Operates from one 9 volt battery

DM6200	Range	Accuracy
DC Voltage	200mV, 20, 200, 600	200mV & 600V (1.2%+2dgt) 20V 200V (1.0%+2dgt)
AC Voltage	200/500	2.5%+ 5dgt
Resistance	200, 2K, 20K, 200K, 2M	200Ω (1.5%+2dgt) 2K 20K 200K 2M (1.2%+2dgt)
Battery Testing	(1.5V) 2000mV/(9V) 20V	1.0%+2
CAT Rating	III 600V	—



## Test Circuit Breaker Panels



## Measure Voltage at Outlets

## DM6250 7 Function Digital Multimeter

- Auto ranging capability allows the meter to automatically determine the resolution based on the application
- Compact, lightweight design
- AC/DC voltage capable with temperature measurement functionality
- Impact resistant housing with protective rubber overmold
- Operates from (2) AAA batteries

DM6250	Range	Accuracy
DC Voltage	200mV, 2V, 20V, 200V, 600V	200mV & 600V (1.0%+5dgt) 2V 20V 200V (0.5%+5dgt)
AC Voltage	200mV, 2V, 20V, 200V, 500V	500V (1.5%+5dgt) 2V 30V 200V (0.8%+5dgt)
Resistance	200, 2K, 200K, 2M, 20M	200Ω 20M (1.5%+2dgt) 2K 20K 200K 2M (1.0%+2dgt)
Battery Testing	1.5V (2V)	—
Temperature	-40°F to 752°F	8%+5dgt
Diode Test	✓	—
Continuity	✓	—
CAT Rating	III 600V	—



## Test Circuit Breaker Panels



### Measure Voltage at Outlets



### Temperature Measurement

## DM6400 8 Function Digital Multimeter

- Test Lead Input Icons for correct lead placement
- Industry leading LCD display size
- Large digit display for easy viewing
- AC/DC voltage and current capable
- Data hold feature captures reading on the display
- Impact resistant housing with protective rubber boot
- Operates from one 9 volt battery

DM6400	Range	Accuracy
DC Voltage	200mV, 2V, 20V, 200V, 1000V	200mV 2V 20V 200V (0.5%+2dgt) 1000V (0.8%+3dgt)
AC Voltage	2V, 20V, 200V, 750V	2V 20V 200V (0.8%+ 5dgt) 750V (1.0%+5dgt)
DC Amps	200uA, 2mA, 20mA, 200mA, 10A	200uA 2000uA 20mA 200mA (0.8%+2dgt) 10A (1.2%+5dgt)
AC Amps	200uA, 2mA, 20mA, 200mA, 10A	200uA 2000uA 20mA 200mA (1.0%+5dgt) 10A (1.2%+5dgt)
Resistance	200, 2K, 20K, 200K, 2M, 20M	200 2K 20K 200K 2M (0.8%+3dgt) 20M (1.2%+5dgt)
Battery Testing	(1.5V) 2000mV/(9V) 20V	—
Diode Test	✓	—
Continuity	✓	—
CAT Rating	III 600V, II 1000V	—



## Circuit Continuity



### Test Lead Input Icons



## Large Digital Display

## DM6450 9 Function Digital Multimeter

- Test Lead Input Icons for correct lead placement
- Industry leading LCD display size
- Relative Delta displays change in readings
- Low Impedance Function to trace ghost voltage
- Impact resistant housing with protective rubber boot
- Operates from one 9 volt battery

DM6450	Range	Accuracy
DC Voltage	400mV, 4V, 40V, 400V, 1000V	400mV (0.8%+3dgt) 4V 40V 400V (0.8%+1dgt) 1000V (1.0%+3dgt)
AC Voltage	4V, 40V, 400V, 750V	4V 40V 400V (1.0%+ 5dgt) 750V (1.2%+5dgt)
DC Amps	400μA, 4000μA, 40mA, 400mA, 4A, 10A	400μA 4000μA (1.0%+2dgt) 40mA 400mA (1.2%+3dgt) 4A 10A (1.5%+5dgt)
AC Amps	400uA, 4000uA, 40mA, 400mA, 4A, 10A	400μA 4000μA (1.2%+2dgt) 40mA 400mA (1.5%+3dgt) 4A 10A ±(2.0%+3dgt)
Frequency	10Hz–10MHz	0.1% +3dgt
Capacitance	40nF, 400nF, 4μF, 40μF, 100μF	40nF (3%+10dgt) 400nF, 4μF, 40μF (3%+5dgt) 100μF (4%+5dgt)
Resistance	400, 4K, 40K, 400K, 4M, 40M	400 4M (1.2%+2dgt) 4K 40K 400K (1.0%+2dgt) 40M (1.5%+2dgt)
Diode Test	✓	–
Continuity	✓	–
CAT Rating	III 600V, II 1000V	–



## Locate Dead Circuits



### Test Lead Input Icons



**Designed for  
Multiple Applications**



# Multimeters

## DM6600 10 Function Digital Multimeter

- Integrated non-contact voltage detection
- Relative Delta displays change in readings
- Min/Max function to hold either minimum reading or maximum reading on the display
- Data hold feature captures reading on the display
- Large backlit LCD display with bar graph indication
- Impact resistant housing with protective overmold
- Operates from one 9 volt battery

DM6600	Range	Accuracy
DC Voltage	40mV/400mV/4V/ 40V/400V/1000V	40mV (1.2%+5dgt) 400mV (0.8%+3dgt) 4V 40V 400V (0.8%+1dgt) 1000V (1.0%+3dgt)
AC Voltage	40mV/400mV/4V/ 40V/400V/750V	40mV (1.2%+5dgt) 4V 40V 400V (1.0%+ 5dgt) 400mV 750V (1.2%+5dgt)
Non Contact AC Voltage	80–1000V AC	–
DC Amps	400uA/4000uA/40mA/ 400mA/4A/10A	400μA 4000μA (1.0%+2dgt) 40mA 400mA (1.2%+3dgt) 4A 10A (1.5%+5dgt)
AC Amps	400uA/4000uA/40mA/ 400mA/4A/10A	400μA 4000μA (1.2%+2dgt) 40mA 400mA (1.5%+3dgt) 4A 10A ±(2.0%+3dgt)
Resistance	400Ω/4K/40K/400K/4M/40MΩ	400 4M (1.2%+2dgt) 4K 40K 400K (1.0%+2dgt) 40M (1.5%+2dgt)
Capacitance	40nF/400nF/4uF/40uF/ 400uF/4000uF	40μF (3.0%+10dgt) 400μF 4μF 40μF (3.0%+5dgt) 400μF 40000μF (4.0% +5dgt)
Frequency	100Hz–10MHz	0.1%+3dgt
Diode Test	✓	–
Continuity	✓	–
CAT Rating	IV 600V, III 1000V	–



**CAT IV to 600V**



**Large Screen**



**Large Digital Display**



**Non-Contact Voltage Detection**

## DM5300 Rugged 7 Function Digital Multimeter

- Manual range selection for user defined resolution requirements
- Sampling rate at 2.5 per second
- AC/DC voltage and current capable
- 10 foot drop rating
- Operates from one 9 volt battery

DM5300	Range	Accuracy
DC Voltage	200mV/2/200/1000V	0.5%
AC Voltage	200mV/2/200/750V	1.2%
DC Current	200μA/2M/20M/200MA/2/10A	1.0%
AC Current	200μA/2M/20M/200mA/2/10A	0.5%
Resistance	200/2K/20K/200K/2M/20MΩ	0.8%
Diode Test	✓	—
Continuity	✓	—
CAT Rating	II 1000V	—



## DM6650T True RMS 10 Function Digital Multimeter

- Precise True RMS circuitry for accurate readings of non-linear waveforms
- Integrated non-contact voltage detection
- Relative Delta displays change in readings
- Min/Max function to hold either minimum reading or maximum reading on the display
- Data hold feature captures reading on the display
- Large backlit LCD display with bar graph indication
- Impact resistant housing with protective rubber boot
- Operates from one 9 volt battery

DM6650T	Range	Accuracy
DC Voltage	40mV/400mV/4V/ 40V/400V/1000V	40mV (1.2%+5dgt) 400mV (0.8%+3dgt) 4V 40V 400V (0.8%+1dgt) 1000V (1.0%+3dgt)
AC Voltage	40mV/400mV/4V/40V/ 400V/750V	40mV (1.2%+5dgt) 4V 40V 400V (1.0%+ 5dgt) 400mV 750V (1.2%+5dgt)
Non Contact AC Voltage	80–1000V AC	–
DC Amps	400uA/4000uA/40mA/ 400mA/4A/10A	400µA 4000µA (1.0%+2dgt) 40mA 400mA (1.2%+3dgt) 4A 10A (1.5%+5dgt)
AC Amps	400uA/4000uA/40mA/ 400mA/4A/10A	400µA 4000µA (1.2%+2dgt) 40mA 400mA (1.5%+3dgt) 4A 10A ±(2.0%+3dgt)
Resistance	400Ω/4K/40K/400K/ 4M/40MΩ	400 4M (1.2%+2dgt)4K 40K 400K (1.0%+2dgt) 40M (1.5%+2dgt)
Capacitance	40nF/400nF/4uF/40uF/ 400uF/4000uF	40µF (3.0%+10dgt) 400µF 4µF 40µF (3.0%+5dgt) 400µF 40000µF (4.0% +5dgt)
Frequency	100Hz–10MHz	0.1%+3dgt
Diode Test	✓	–
Continuity	✓	–
CAT Rating	IV 600V, III 1000V	–



**CAT IV to 600V**



**Large Screen**



Bar Graph Indication



**Non-Contact  
Voltage Detection**

## DM8700 Rugged 9 Function Digital Multimeter

- Manual range selection for user defined resolution requirements
- True RMS
- Water resistant rugged design rated for a 10 foot drop
- Operates from one 9 volt battery

DM8700	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/1000V	0.05%
AC Voltage	200mV/2V/20V/200V/750V	0.7%
DC Amps	200uA/2mA/20mA/200mA/20A	0.5%
AC Amps	200uA/2mA/20mA/200mA/20A	0.8%
Frequency	2K/20K/200KHz	0.5%
Resistance	200/2K/20K/200K/2M/20MΩ	0.2%
Diode Test	✓	—
Logic	✓	—
Continuity	✓	—
CAT Rating	III 600V, II 1000V	—



**Rugged Construction**



**Measurement Versatility**





## Clamp Meters



# Clamp Meters

Sperry Instruments clamp meters offer versatility and durability within the Digisnap™ product family. From standard Snap-Arounds to True RMS models, these units combine the safety of non-contact current measurement with multimeter functionality. As with all of the Sperry Instruments products, these units have been designed and tested by those professionals that demand to have the best test instruments on their job site.

## Clamp Meters

## Clamp Meter Offering Quick Chart

[illegible]



E1 Line Splitter

- For use with any clamp meter
- 1x and 10x measuring capability
- Probe slots for voltage measurement

E1	Range
Operational Voltage	120V AC
AC Current	15A
Frequency	50/60Hz



Necessary Accessories

The E1 Line Splitter is a must-have accessory for clamp meters. The non-contact current capability of a clamp meter requires the isolation of a single conductor to measure the current. In applications where the separation of the wires can endanger the integrity of the insulation or where machinery uses an integrated plug, the Line Splitter will split the current loop for convenient measurement. The E1 can be used in either a single loop measurement or a 10 times magnifying loop for accurate measurement of low current applications. This handy Line Splitter also includes convenient probe ports to measure voltage as well.



DSA2003 6 Function Digisnap™ Digital Snap-Around

- 2000 Amp AC/DC non-contact current reading
- Oversized tear drop shaped jaws
- Max hold function to hold the maximum reading on the display
- Data hold capability to maintain reading on display
- Peak Hold function to display in-rush current
- Auto power off functionality to save battery life
- Includes convenient carrying case
- Operates from (2) AAA batteries

DSA2003	Range	Accuracy	Resolution	Overload Protection
DC Voltage	400/1000	±1%	100mV	1200V AC/DC
AC Voltage	400/750V	1.5%	100mV	1200V AC/DC
DC Current	400/2000A	±1.5%rdg ± 2dgt	100mA	2400A AC/DC
AC Current	400/2000A	1.5%±2dgt (0–1000A) 3%±2dgt (1001–2000A)	100mA	2400A AC/DC
Resistance	400/4000Ω	±1.5%rdg ± 2dgt	100mΩ	600V AC/DC
Cont Buzzer	0–600 Ohms	Buzzer Sounds @ 100 Ohms or less	–	–
CAT Rating	III 1000V, IV 600V	–	–	–



Includes Multimeter Functionality



Simple Operation

DSA2009TRMS True RMS 6 Function Digisnap™ Digital Snap-Around

- Enhanced True RMS circuitry
- 1000 Amp non-contact current reading
- Min/Max function to hold either minimum reading or maximum reading on the display
- Data hold capability to maintain reading on display
- Peak Hold function to display in-rush current
- Auto power off functionality to save battery life
- Includes convenient carrying case
- Operates from one 9 volt battery

DSA2009TRMS	Range	Accuracy	Resolution	Overload Protection
DC Voltage	40/400/1000	±1%rdg ± 2dgt	10mV	1200V AC/DC
AC Voltage	40/400/750V	2.0%	100mV	1200V AC/DC
DC Current	400/2000A	±1.5%rdg ± 2dgt	100mA	2400A AC/DC
AC Current	400/2000A	1.5%± 3dgt (0–1700A)/ 3.5%±3dgt (1701–2000A)	100mA	2400A AC/DC
Resistance	400/4000Ω	±1.5%	100mΩ	600V AC/DC
Cont Buzzer	0–600 Ohms	Buzzer Sounds @ 100 Ohms or less	–	–
CAT Rating	II 750VAC/1000DC, III 600V	–	–	–



Includes Multimeter Functionality



Measure Current



Simple Operation

DSA1020TRMS True RMS 10 Function Digital Snap-Around

- Precise True RMS circuitry
- 1000 Amp non-contact current reading
- Integrated non-contact voltage detection
- Min/Max function to hold either minimum reading or maximum reading on the display
- Data hold capability to maintain reading on display
- Backlit display for low light applications
- Peak hold function to display in-rush current
- Capacitance and temperature measurement functionality
- Auto power off functionality to save battery life
- Includes convenient carrying case
- Operates from (2) AAA batteries

DSA1020TRMS	Range	Accuracy	Resolution	Overload Protection
DC Voltage	600mV/6/60/600V	1% ±3dgt	100μV	720V AC/DC
AC Voltage	6/60/600V	1.5% ± 4dgt	1mV	720V AC/DC
DC Current	600/1000A	±1.5%rdg ± 5dgt	100mA	1200A AC/DC
AC Current	600/1000A	2%±5dgt	100mA	1200A AC/DC
Resistance	600/6K/60K/600K/ 6M/60MΩ	1% ±5dgt (600~6MΩ) 5% ±8dgt (6M~60M)	100mΩ	600V AC/DC
Frequency	10/100/1000/10K	0.5%±5dgt	–	–
Diode Test	✓	–	–	–
Cont Buzzer	0–600 Ohms	Buzzer Sounds @ 100 Ohms or less	–	–
Capacitance	40nF–4000μF	2.5%±20dgt (40nF–40μF) NA (40nF, 40μF–4000μF)	–	–
Temperature	50° to 700°C/ 58° to 1292°F	°C ±5°/ °F±9°	–	–
CAT Rating	IV 600	–	–	–



Includes Carrying Case



Non-Contact Voltage Detection



Multimeter Functionality



Backlit Display





DSA660A 7 Function Digital Snap-Around

- 600 Amp non-contact current reading
- Integrated non-contact voltage detection
- Min/Max function to hold either minimum reading or maximum reading on the display
- Data hold capability to maintain reading on display
- Duty cycle
- Auto power off functionality to save battery life
- Includes convenient carrying case
- Operates from (2) AAA batteries

DSA660A	Range	Accuracy	Resolution	Overload Protection
DC Voltage	600mV/6/60/600V	1% ±3dgt	100µV	720AC/DC
AC Voltage	6/60/600V	1.3% ± 4dgt	1mV	720AC/DC
AC Current	600A	1.5%rdg ± 5dgt	100mA	720AC
Resistance	600/6K/60K/600K/6M/60MΩ	1% ±5dgt (600~6MΩ) 5% ±8dgt (6M~60M)	100mΩ	600AC/DC
Frequency	10/100/1000/10K	0.5%	—	—
Diode Test	✓	—	—	—
Cont Buzzer	0–600 Ohms	Buzzer Sounds @ 100 Ohms or less	—	—
CAT Rating	IV 600	—	—	—



DSA500A 5 Function Digital Snap-Around

- 400 Amp non-contact current reading
- Data hold capability to maintain reading on display
- Auto power off functionality to save battery life
- Compact lightweight design
- Includes convenient carrying case
- Operates from (2) AAA batteries

DSA500A	Range	Accuracy	Resolution	Overload Protection
DC Voltage	400/600V	1.5%	100mV	720VAC/DC
AC Voltage	400/600V	2%	100mV	720VAC/DC
AC Current	40–400	2%	10mA	480A
Resistance	400/4000Ω	2%	100mΩ	300VAC/DC
Cont Buzzer	0–600 Ohms	Buzzer Sounds @ 100 Ohms or less	—	—
CAT Rating	II 600, III 300V AC	—	—	—



DSA540A 6 Function Digital Snap-Around

- 400 Amp non-contact AC/DC current reading
- Data hold capability to maintain reading on display
- Auto power off functionality to save battery life
- Compact lightweight design
- Includes convenient carrying case
- Operates from (2) AAA batteries

DSA540A	Range	Accuracy	Resolution	Overload Protection
DC Voltage	400/600V	1.5%	100mV	720VAC/DC
AC Voltage	400/600V	2%	100mV	720VAC/DC
DC Current	40/400	3%±8dgt (0–40A) 4%±6dgt (40–400A)	10mA	480A
AC Current	40–400	3%±8dgt (0–40A) 4%±6dgt (40–400A)	10mA	480A
Resistance	400/4000Ω	2%	100mΩ	300VAC/DC
Cont Buzzer	0–600 Ohms	Buzzer Sounds @ 100 Ohms or less	—	—
CAT Rating	II 600, III 300V AC	—	—	—



SPR300PLUS Analog Clamp Meter

- 600 Amp non-contact current reading
- Large viewing window for accurate readings
- Data hold capability to keep reading in place
- Broad frequency response (50–400Hz)
- Operates from one AA battery

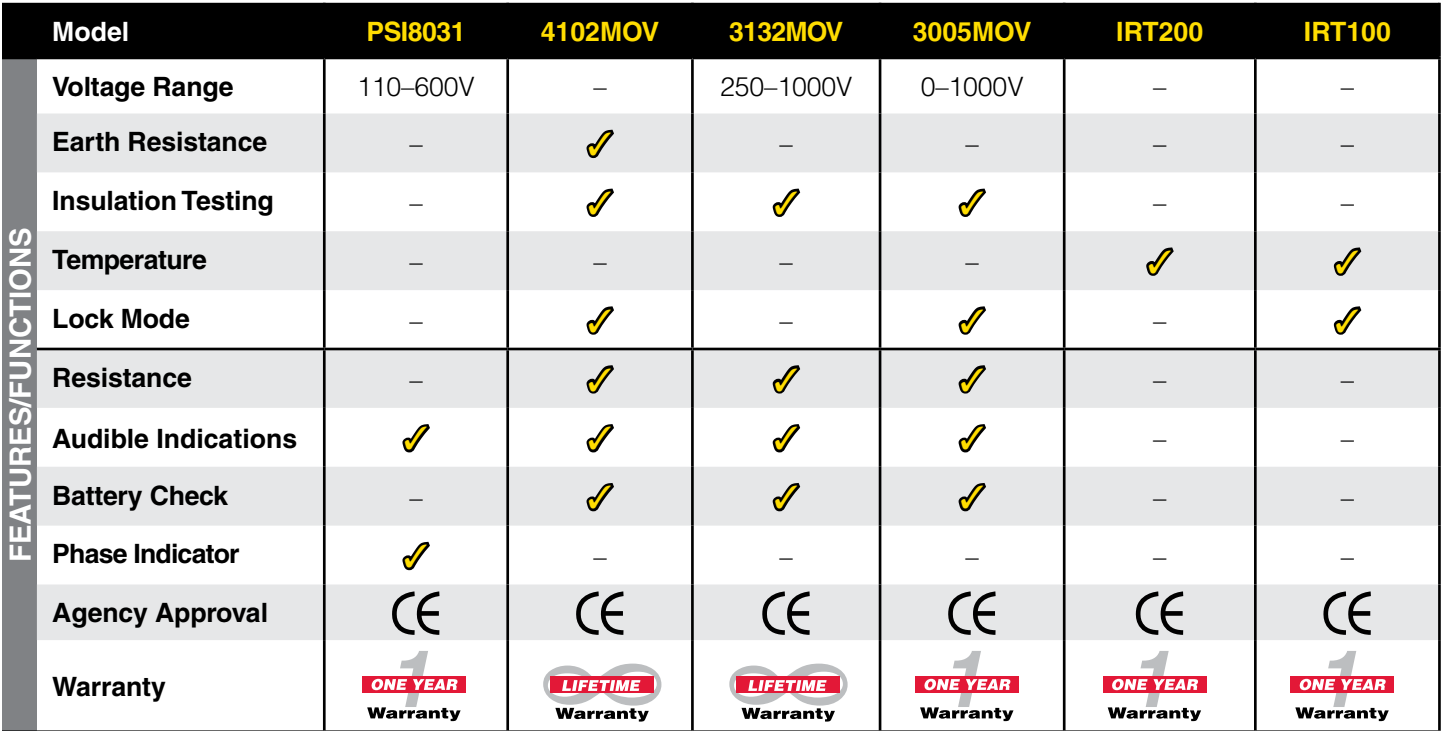
SPR300PLUS	Range	Accuracy
AC Voltage	150/300/600V	±3% of FS
AC Current	6/20/60/200/600A	±3% of FS
Resistance	2K	±3% of scale length





From earth resistance to temperature measurements, some jobs just require highly specialized products. The Sperry Instruments offering of highly specialized test & measure products has been designed to meet the demanding requirements of any jobsite.

## Specialty Offering Quick Chart





PSI8031 Phase Sequence and Open Phase Indicator

Verify proper wiring and connection in 3-phase motor applications.

- Visual rotation indication
- Color coded insulators over alligator clips for increased protection
- Shock resistant plastic housing
- LED indication of phase wiring
- Compact design and lightweight for easy handling
- Withstands 5500AC voltage for 1 minute

PSI8031	Range
AC Voltage	110–600V
Push Switch Button	✓
Broad Operating Range	✓
Visual Indication	✓
Color Coded Clips	✓



Includes Carrying Case

4102MOV Analog Earth Resistance Tester

Verify the effectiveness of any ground type with this rugged test instrument.

- Low 2mA current prevents the tripping of earth leakage breakers while under test
- Enhanced multi-colored scales for easy reading
- Earth resistance value read directly from scale plate
- Low power consumption
- Self powered; no need for hand crank
- Compact, lightweight, and portable
- Quick battery check
- Dust and drip proof construction to meet IP54 standards
- Operates from (6) AA batteries

4102MOV	Range
OHM	0–12,120,1200 Ω
AC Voltage	0–30V
Mid-Scale	5Ω/x1, 50Ω/x10, 500Ω/x100
Accuracy	± 3% FS
Battery Check	✓
Test Button Lock	✓



Includes Carrying Case



Earth Ground Accessories



Multiple Lead Accessories Included

3005MOV Digital Insulation Continuity Tester

Verify the integrity of wire insulation and connectivity of wire runs with this compact test unit.

- Auto null function to subtract the test lead resistance
- Test button release automatically discharges any charge stored within the circuit under test
- Audible live circuit warning beeper
- Test button lock
- Auto discharge
- Dust and drip proof construction to meet IP54 standards
- Operates from (8) AA batteries

3005MOV	Range
MegΩ/DC Test Voltage	0–20M, 200M, 2000M, 250V 0–20M, 200M, 2000M, 500V 0–20M, 200M, 2000M, 1000V
Continuity	0–20,200,2000 Ω
Accuracy	± 1.5% rdg ±5dgt @ 20MΩ ± 1.5% rdg ±5dgt @ 200MΩ ± 1.0% rdg ±3dgt @ 2000MΩ
Continuity Accuracy	± 1.5% rdg ±5dgt (20Ω) ± 1.5% rdg ±3dgt (200/2000Ω)
Live Circuit Warning	Buzzer
Display	✓



Integrated Protective Cover



3132MOV Analog Insulation Tester

Test the continuity and wire insulation of long wire runs.

- Enhanced multi-colored scales for easy reading
- Earth resistance read directly from scale plate
- Live circuit neon indicator plus audible warning signal
- Self-powered; no need for hand crank
- Quick battery check
- Compact and portable
- Front panel zero ohm adjust
- Dust and drip proof construction to meet IP54 standards
- Operates from (6) AA batteries

3132MOV	Range
DC Test Voltage	250V, 500V, 1000V
OHM	0–3/500Ω
AC Voltage	0–600V
Mid-Scale	1MΩ/250V; 2MΩ/500V; 4MΩ/100V
Accuracy	±5%rdg; ±1.5% of scale length
Live Circuit Warning	Lamp & Buzzer
Test Button Lock	✓
Zero OHM Adjust	✓
Battery Check	✓
Auto Discharge	✓



Integrated Protective Cover



IRT100 Temp Check™ Pocket Style Infrared Thermometer

- 6:1 Distance to spot ratio
- Toggle between Celsius and Fahrenheit
- Laser sighting for accurate results
- Min/Max function to hold either minimum reading or maximum reading on the display min/max mode
- Auto power off
- Wrist lanyard for increased handling

IRT100	Range
Temperature Range	(-31 to 689°F) -35 to 365°C
Emissivity	Fixed
Laser Sighting	✓
Lock Mode	✓
Low Battery Indicator	✓
Backlit Display	–
Auto Off	✓



IRT200 Temp Check™ Gun Style Infrared Thermometer

- 8:1 Distance to spot ratio
- Laser sighting for accurate results
- Backlit display for low light applications
- Min/Max function to hold either minimum reading or maximum reading on the display in Max mode
- Auto power off

IRT200	Range
Temperature Range	(-67 to 482°F) -55 to 250°C
Emissivity	Fixed
Laser Sighting	✓
Lock Mode	–
Low Battery Indicator	✓
Backlit Display	✓
Auto Off	✓



NOTES

Non-Contact Temperature Measurement

Safety is the number one priority on any job site. Any test unit that can be used to measure or review an application without coming in contact with a live conductor is a necessity. The IR Thermometers allow for critical temperature measurements to be taken without having to touch an energized circuit. The D:S ratio, or distance to spot ratio, is a rating used state the distance, in feet, that the test unit should be from the target in order to measure a one foot diameter section. In other words, a 6:1 D:S Ratio means that from six feet away, the test unit is measuring a one foot diameter section of the target.







Voice • Data • Video

Designed for the demanding needs of today's Voice Data Video professionals, the Sperry Instruments line of test equipment is the pinnacle of durability and functionality. Forward thinking design concepts ensure product usefulness for generations to come. Combined with the 10' drop and 250 lb crush rating, these unique items are must-haves in any professional's tool belt.

Voice • Data • Video Quick Chart



Model	TT64200	TT64202	GMC-3000	ET65220	ET64220	TT6200L
FUNCTIONS	Tracing	–	–	✓	✓	–
	Continuity	✓	✓	✓	–	–
	Cat 3, Cat 5, & Cat 6	✓	✓	–	–	–
	Opens & Miswires	✓	✓	–	–	–
	Split Pairs	✓	–	–	–	–
	Coax	–	✓	–	–	–
	Telephone Line Status	–	–	–	–	✓
FEATURES	Audible	–	–	✓	✓	–
	Visual	✓	✓	✓	✓	✓
	Auto-Off	✓	–	✓	30 Minutes	45 Minutes
	Pocket Clip	–	–	–	✓	✓
	Agency Approval	CE	CE	CE	CE	–
	Drop Rating	10'	10'	10'	10'	10'
	Crush Rating	250 Lb	250 Lb	250 Lb	250 Lb	250 Lb
Warranty	LIFETIME Warranty	LIFETIME Warranty	LIFETIME Warranty	LIFETIME Warranty	LIFETIME Warranty	LIFETIME Warranty



ET64220 Wire Tracker™ Wire Tracer

A must-have tester for audio/video installers and data com technicians.

- Multi-purpose wire tracer for identifying wires such as coax, CAT 5, speaker, phone, or any non-energized (non-live) wires
- Adapter plugs include: RJ-45, RJ-11, coax, automotive fuse blade, and insulated clamps
- Adjustable sensitivity positively identifies a single wire when multiple wires are routed in close proximity
- Audible and visual indication
- Operates from (2) AAA batteries (transmitter) and (4) LR44 batteries (receiver)
- Auto off function included with transmitter to save battery life

ET64220	Range
Audible	✓
Visual	✓
Receiver Storage	✓
Belt Clip	✓
Tracer	✓

LIFETIME Patented Warranty



Probe Storage

A New Twist to the Classic Tone & Probe

The Wire Tracker™ raises the standard for the classic tone and probe products. This patented product traces non-energized wire for correct identification. The unique design nestles the probe within the unit to keep both components together during transportation or storage to avoid loss. Different terminations are also self-contained within the unit, making this unit a must for any Voice-Data-Video installations or remodels. Audio and visual indicators quickly identify the signal strength to allow for precise wire identifications. The addition of an adjustable sensitivity dial ensures that the correct wire is found every time.



TT64200 UTP/STP Cable Tester

Verify twisted pair wiring installation, including 10Base-T and Token Ring configurations.

- Quick detection of opens, shorts, miswires, reversals, and split pairs in UTP/STP cabling for T568A, T568B, 10Base-T, and Token Ring configurations
- Test RJ45 and RJ11 cabling in 4-, 6-, and 8-pin configurations easily and accurately
- Catch crossovers on Cat 3, 5, and 6 installations.
- Debug function accurately pinpoints both the problem and its location
- Tester and remote snap together for transportation and storage when not in use
- Wiring reference chart included

TT64200	Range
Continuity, Opens, and Miswires	✓
Shorts & Reversals	✓
Split Pair ID	✓
Shield Continuity	✓
Debug Function	✓

LIFETIME Patented Warranty



Identify Split Pairs



Auto Sensing Receiver



Jumper Cables Included

TT64202 Cable Test Plus

Tests both twisted pair and coax cable installations.

- Both tester and remote have UTP/STP and Coaxial test jacks for detecting opens, shorts, miswires, and reversals in T568A and T568B configurations
- Rubber overmolded construction provides long life and comfortable use
- Tester and remote snap together for transportation and storage when not in use
- Wiring reference chart included

TT64202	Range
Continuity, Opens, and Miswires	✓
Shorts & Reversals	✓
Coax	✓
Shield Continuity	✓

LIFETIME Patented Warranty



Test Twisted Pair and Coax



Visual Indication



Jumper Cables Included



TT6200L Dual Telephone Line Tester

Tests the status of single or dual phone lines.

- Tri-color LED’s indicate line status
- Flexible lead with standard RJ11 phone plug
- Pocket clip

TT6200L	Range
Pocket Clip	✓
Visual Indication	✓
Single & Dual Line Test	✓

LIFETIME  
Warranty



Simple Operation  
with Bright Visual  
Indication

ET65220 ToneProbe Cable Tracing Kit

Test Continuity and trace unenergized wiring for correct wire identification every time.

- Intuitive Transmitter design for function and tone options
- Three unique audible tones for multiple wire traces
- Adjustable sensitivity and 360° visual indication on the receiver
- Earphone jack provides option of silent operation
- Heavy-duty alligator clips with multiple piercing options and reinforced strain reliefs
- Extra-long probe tip can be removed and replaced in seconds

ET65220	Range
Tone Output	11.5 dBm
Frequency	1000–3000 Hz
Continuity	✓
Auto-Off	30 Minutes
Low Battery Indication	✓

LIFETIME  
Warranty



Patented



Connect  
Transmitter



Trace Cables

GMC-3000 Modular Crimper & Cable Tester

Cut, Strip, Terminate, and Test with this combination modular crimper and cable tester.

- Heat treated steel frame for tool durability with RJ-45 and RJ-11 Crimp stations
- Comfort grips provide high leverage and cable test functionality
- Test cables terminated with 4, 6, or 8 pin connectors
- Test for continuity, opens, shorts, reversals, and miswires
- Debug functionality quickly and easily identifies faults
- Remote snaps securely into the base of the handle for storage and transportation

GMC-3000	Range
Continuity, Opens, and Miswires	✓
Shorts & Reversals	✓
Split Pair ID	✓
Shield Continuity	✓
Debug Function	✓

LIFETIME  
Warranty



Patented



Cut



Terminate



Test



NOTES

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