

# Test & Measurement Equipment

Professional Grade



# Table of Contents

## ELECTRICAL TESTERS

- Tester Offering Quick Chart..... 6
- Ground Fault Receptacle Tester & Circuit Analyzer ..... 7
- Circuit Breaker Finder ..... 7
- Volt Check Voltage-Continuity Tester..... 8
- Scan-Test 5-in-1 Multi-Scanner ..... 8



## DIGITAL MULTIMETERS

- Multimeter Offering Quick Chart ..... 12-13
- 7 Function Digital Multimeter ..... 14
- 8 Function Digital Multimeter ..... 14
- Thin Digital Multimeter..... 15
- True RMS Thin Bluetooth Digital Multimeter ..... 16
- True RMS 10 Function Digital Multimeter..... 17
- 4 Function Digital Multimeter ..... 17



# Table of Contents

## CLAMP METERS

Clamp Meter Offering Quick Chart .....20-21  
 Open Jaw Clamp Meter .....22  
 7 Function & 10 Function Digital Snap-Around .....23  
 True RMS 12 Function Digital Clamp Meter .....24  
 True RMS 10 Function Digital Snap-Around.....25  
 True RMS 6 Function .....26  
 Digisnap Digital Snap Around



## SPECIALTY METERS

Specialty Offering Quick Chart .....29  
 Phase Sequence and Open Phase Indicator.....30



## VOICE/DATA/VIDEO

Voice/Data/Video Quick Chart .....34  
 Wire Tracker Wire Tracer .....35





# ELECTRICAL TESTERS

Electrical testers are an integral part of any tool bag. nVent GARDNER BENDER Professional Grade testers are designed with input from professional users, meeting the stringent demands of the job site. Durability, accuracy, and safety are the three most important qualities expected of electrical testers 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.

nvent | GARDNER  
BENDER

# Electrical Testers















Tester Offering Quick Chart.....6  
 Ground Fault Receptacle Tester & Circuit Analyzer .....7  
 Circuit Breaker Finder .....7  
 Volt Check Voltage-Continuity Tester.....8  
 Scan-Test 5-in-1 Multi-Scanner .....8



# Electrical Testers

## TESTER OFFERING QUICK CHART



Model	GBP-CS550AA	GBP-VC61000	GBP-PD6902A	GFI-3501A
<b>FUNCTIONS</b>				
AC Voltage	240 V	24–600 V	50–600V	220 - 240 V
DC Voltage	-	6–220 V	-	-
Non-Contact Voltage	-	✓	✓	-
Polarity	-	✓	-	-
Continuity	-	✓	-	-
GFCI & Receptacle Test	-	-	✓	✓
Circuit Tracing	✓	-	-	-
<b>FEATURES</b>				
Audible	✓	✓	✓	-
Visual	✓	✓	✓	✓
Vibration	-	-	-	-
Lead Length	-	30"	-	-
Pocket Clip	-	-	-	-
Agency Approval				
CAT Rating	-	IV 600 V, III 1000 V	-	-
Drop Rating				-
Crush Rating				-
Warranty				

# Electrical Testers

## GFI-3501A GROUND FAULT RECEPTACLE TESTER (GFCI OR RCD) & CIRCUIT ANALYZER

Tests ground fault receptacles by tripping GFCI or RCD.

- Easy to use. Simply plug tester into any circuit protected by a ground fault receptacle (220 - 240 V AC) and press black button to test GFCI.
- Tests for seven conditions: ground fault interruption, open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse, and correct wiring.
- Succession of yellow and red lights provides indication of circuit status or specifies wiring errors.
- Tester trips GFCI or RCD between 6 - 9 mA.

### Tests

- Standard outlets
- GFCI outlets
- Extension cords

GFI-3501A	Range
Operational Voltage	220 - 240 V
Open Ground	✓
Open Neutral	✓
Open Hot	✓
Hot / Ground Reversed	✓
Hot / Neutral Reversed	✓
Correct Wiring	✓
GFCI Test Function	✓



GFI-3501A



Outlets not Protected by GFCI or RCD



Tests outlets protected by GFCI RCD

## GBP-CS550AA 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 (1) 9 volt battery, included

GBP-CS550AA	Range
Operational Voltage	240 V
Frequency	50-60 Hz
Audible	3
Visual	3



GBP-CS550AA



Plug Style Transmitter



Auto Sensing Receiver

# Electrical Testers

## GBP-VC61000 VOLT CHECK VOLTAGE-CONTINUITY TESTER 24-600 VAC/6-220 VDC

Multi-function tester with no dials tests voltage level, tests continuity, and includes non-contact AC voltage detection.

- Circuit Alert non-contact AC voltage detection in tip (50-600 V AC)
- 24-600 V AC; 6-220 V 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 holders
- Operates from (3) AAA batteries, included

GBP-VC61000	Range
Contact AC Voltage	24-600 V
Non-Contact AC Voltage	50-600 V
DC Voltage	6-220 V
Frequency	50-60 Hz
Polarity	✓
Continuity	✓
Audible	✓



GBP-VC61000



Non-Contact Voltage Detection



Integrated Probe Holders



Test Continuity and Voltage



## GBP-PD6902A 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 (50-600 VAC) 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 (1) 9 volt battery, included

GBP-PD6902A	Range
Operational Voltage	220 - 240 V AC
Non-Contact AC Voltage	50-600 V
Frequency	60 Hz
Circuit Analyzer	✓
GFCI	✓
Metal Detection	✓
Metal Studs	✓



GBP-PD6902A



Scan for Studs, Metal and AC Voltage



Scanner & Tester Snap Together



Test Standard & GFCI Outlets







# DIGITAL MULTIMETERS

Digital multimeters combine multiple functions within the same tool. The new nVent GARDNER BENDER Professional Grade 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.

# Digital Multimeters

Multimeter Offering Quick Chart .....	12-13	True RMS Thin Bluetooth Digital Multimeter .....	16
7 Function Digital Multimeter .....	14	True RMS 10 Function Digital Multimeter .....	17
8 Function Digital Multimeter .....	14	4 Function Digital Multimeter .....	17
Thin Digital Multimeter .....	15		



# Digital Multimeters

## MULTIMETER OFFERING QUICK CHART



	Model	GDT-3190	GBP-DM6260	GBP-DM6410
FUNCTIONS	AC Voltage	500 V	500 V	600 V
	DC Voltage	600 V	600 V	600 V
	AC Current	-	-	10 A
	DC Current	-	-	10 A
	True RMS	-	-	-
	Resistance	✓	✓	✓
	Diode Test	-	✓	✓
	Continuity (Audible)	-	✓	✓
	Non-Contact Voltage Detection	-	-	-
	Temperature (Probe type)	-	✓	-
	Battery Testing	✓	✓	✓
FEATURES	Manual or Auto Ranging	Manual	Auto	Manual
	Total Functions	4	7	8
	Total Ranges	15	19	22
	Display Count	2000	3999	1999
	Low Battery Indicator	✓	✓	✓
	Auto Off	✓	✓	✓
	Rubber Boot or Molding	✓	✓	✓
	Bluetooth	-	-	-
	Backlit LCD	-	✓	-
	Agency Approval			
	CAT Rating	III 600 V	III 600 V	III 600 V
	Drop Rating	6'		
	Crush Rating	150 lb		
	Warranty			

# Digital Multimeters

## MULTIMETER OFFERING QUICK CHART



	Model	GBP-DM6650T	GBP-DM6800	GBP-DM6850T
FUNCTIONS	AC Voltage	750 V	600 V	600 V
	DC Voltage	750 V	600 V	600 V
	AC Current	10 A	10 A	10 A
	DC Current	10 A	10 A	10 A
	True RMS	✓	-	✓
	Resistance	✓	✓	✓
	Diode Test	✓	-	✓
	Continuity (Audible)	✓	✓	✓
	Non-Contact Voltage Detection	✓	-	✓
	Temperature (Probe type)	-	-	✓
	Battery Testing	-	-	-
FEATURES	Manual or Auto Ranging	Auto	Auto	Auto
	Total Functions	10	6	12
	Total Ranges	38	20	41
	Display Count	5999	1999	3999
	Low Battery Indicator	✓	✓	✓
	Auto Off	✓	✓	✓
	Rubber Boot or Molding	✓	-	-
	Bluetooth	-	-	✓
	Backlit LCD	✓	✓	✓
	Agency Approval			
	CAT Rating	IV 600 V, III 1000 V	III 600 V	III 600 V
	Drop Rating			
	Crush Rating			
	Warranty			

# Digital Multimeters

## GBP-DM6260 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
- Operates from (2) AAA batteries, included

GBP-DM6260	Range	Accuracy
DC Voltage	2 V, 4 V, 40 V, 400 V, 600 V	4 V–40 V $\pm$ (0.5% + 3) 400 V–600 V $\pm$ (0.8% + 3)
AC Voltage	4 V, 40 V, 400 V, 600 V	4 V–40 V $\pm$ (0.8% + 5) 400 V–600 V $\pm$ (1.5% + 5)
Resistance	400, 4 K, 40 K, 400 K, 4 M, 20 M $\Omega$	400 $\Omega$ $\pm$ (1.5% + 2) 4 k–400 k $\Omega$ $\pm$ (1.0% + 2) 4 M $\Omega$ $\pm$ (1.2% + 5) 20 M $\Omega$ $\pm$ (2% + 5)
Battery Testing	1.5 V (2 V)	–
Temperature °F	–40°F to 1832°F	–40–104°F $\pm$ (1.5% + 7°F) >104–932°F $\pm$ (1.5% + 5°F) >932–1832°F $\pm$ (2.5% + 5°F)
Temperature °C	–40°C to 1000°C	–40°C to 40°C $\pm$ (1.5% + 4), 40°C to 500°C $\pm$ (1.5% + 3), 500°C to 1000°C $\pm$ (2.5% + 3)
Diode Test	✓	–
Continuity	✓	–



GBP-DM6260



Measure Voltage at Outlets



Temperature Measurement

## GBP-DM6410 8 FUNCTION DIGITAL MULTIMETER

- Test Lead Input Icons for correct lead placement
- Industry leading LCD display size
- Large digits for easy viewing
- AC/DC voltage and current capable
- Data hold feature captures reading on the display
- Impact resistant housing
- Operates from (2) AAA batteries, included

GBP-DM6410	Range	Accuracy
DC Voltage	200 mV, 2 V, 20 V, 200 V, 600 V	200 mV $\pm$ (0.7% + 5) 2 V–200 V $\pm$ (0.5% + 5) 600 V $\pm$ (0.8% + 5)
AC Voltage	200 V, 600 V	200 V $\pm$ (0.8% + 5) 600 V $\pm$ (1.5% + 5)
DC Amps	200 $\mu$ A, 20 mA, 200 mA, 10 A	200 $\mu$ A–200 mA $\pm$ (0.8% + 5) 10 A $\pm$ (1.2% + 5)
AC Amps	200 $\mu$ A, 20 mA, 200 mA, 10 A	200 $\mu$ A–200 mA $\pm$ (1.0% + 5) 10A $\pm$ (2% + 5)
Resistance	200, 2000, 20 K, 200 K, 2 M	200–200 k $\Omega$ $\pm$ (1.5% + 2) 2 M $\Omega$ $\pm$ (1.2% + 5)
Battery Testing	1.5 V, 9 V	–
Diode Test	✓	–
Continuity	✓	–



GBP-DM6410



Test Lead Input Icons



Large Digital Display

# Digital Multimeters

## GBP-DM6800 THIN DIGITAL MULTIMETER

- Thin design for easy use, storage, and transportation
- ETL listed to UL and CSA standards
- Min/Max function to hold either minimum reading or maximum reading on the display
- Instant Continuity Buzzer
- Data hold feature captures reading on the display
- Auto power off and low battery indicator
- Large Backlit 1999 Count LCD screen
- Operates from (2) AAA batteries, included

GBP-DM6800	Range	Accuracy
DC Voltage	200 mV, 2 V, 20 V, 200 V, 600 V	200 mV $\pm$ (0.8% + 5) 2 V–600 V $\pm$ (1.0% + 5)
AC Voltage	2 V, 20 V, 200 V, 600 V	2 V $\pm$ (1.0% + 5) 20 V–600 V $\pm$ (1.2% + 8)
Resistance	200, 2 K, 20 K, 200 K, 2 M, 20 M $\Omega$	200 $\Omega$ $\pm$ (1.2% + 5) 2 K–200 K $\Omega$ $\pm$ (1.0% + 5) 2 M $\Omega$ $\pm$ (1.2% + 5) 20 M $\Omega$ $\pm$ (1.2% + 5)
DC Amps	2 A, 10 A	2 A $\pm$ (1.2% + 5) 10 A $\pm$ (2.0% + 10)
AC Amps	2 A, 10 A	2 A $\pm$ (1.5% + 5), 10 A $\pm$ (3.0% + 10)
Continuity	✓	–



GBP-DM6800



## NVENT GARDNER BENDER'S INNOVATIVE "THIN" METERS BREAK THE MOLD

At less than 3/4 inch thick, this is the thinnest full sized multimeter yet. Engineered to exceed the expectations of the professional electrician, the nVent GARDNER BENDER Instruments ULTRA-THIN Meter family offers a durable and ergonomic impact resistant design. CAT III (600V), ETL listed to UL and CSA standards and CE rated with a limited lifetime warranty to give our users the peace of mind they deserve. Meter also includes a soft case.



# Digital Multimeters

## GBP-DM6850T TRUE RMS THIN BLUETOOTH DIGITAL MULTIMETER

- Thin design for easy use, storage, and transportation
- Datalogging with 2 MB storage (1 reading/second for 36 hrs)
- GPS location linking feature tracks where recordings are being measured
- True RMS for accurate measurement of noisy or nonsinusoidal AC waveforms
- Min/Max function to hold either minimum reading or maximum reading on the display
- Relative delta displays change in readings
- Data hold feature captures reading on the display
- Large Backlit 3999 Count LCD screen
- Auto power off and low battery indicator
- Operates from (2) AAA batteries, included

GBP-DM6850T	Range	Accuracy
DC Voltage	400 mV, 4 V, 40 V, 400 V, 600 V	400 mV-400 V ± (0.8%+ 5) 600 V ± (1.0% + 5)
AC Voltage	4 V, 40 V, 400 V, 600 V	4 V-400 V ± (1.0% + 5) 600 V ± (1.2% + 8)
DC Amps	4 A, 10 A	4 A ± (1.2% + 5) 10 A ± (2.0% + 10)
AC Amps	4 A, 10 A	4 A ± (1.5% + 5) 10 A ± (3.0% + 10)
Frequency	99.99 Hz-99.99 kHz	± (10% + 5)
Capacitance	9.999 nF, 99.99 nF, 999.9 nF, 9.999 µF, 99.99 µF, 999.9 µF	9.999 nF ± (3.5% + 20) 99.99 nF ± (2.5% + 20) 999.9 nF ± (3.5% + 5) 9.999 µF-999.9 µF ± (5.0% + 5)
Resistance	400, 4 K, 40 K, 400 K, 4 M, 40 MΩ	400 Ω ± (1.2% + 5) 4 KΩ-400 KΩ ± (1.0% + 5) 4 MΩ ± (1.2% + 5) 40 MΩ ± (1.5% + 5)
Temperature °F	-4°F to 1832°F	-4°F to 32°F ± (5.0% + 8), 32°F to 752°F ± (1.0% + 6), 752°F to 1832°F ± (2.0% + 6)
Temperature °C	-20°C to 1000°C	-20°C to 0°C ± (5.0% + 4), 0°C to 400°C ± (1.0% + 3), 400°C to 1000°C ± (2.0% + 3)
Diode Test	✓	-
Continuity	✓	-



DM6850T



**FREE  
DOWNLOADABLE APP!**

### FEATURES DATALOGGING AND BLUETOOTH CONNECTIVITY TO YOUR SMART DEVICE

Download the free nVent GARDNER BENDER Smart Meter App. Use smart meter functionality to view, monitor, capture pictures and data log the date/time stamped readings to smart phones and tablets. Export test results via Bluetooth to easily share with yourself and others. This functionality allows for measurements to be taken without being in or near panel. The meter also includes a temperature probe, alligator clips and a soft carrying case.



# Digital Multimeters

## GBP-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 (1) 9 volt battery, included

GBP-DM6650T	Range	Accuracy
AC Voltage	60 mV, 600 mV, 6 V, 60 V, 600 V, 750 V	60 mV, 600 mV $\pm$ (1.2% + 5) 6 V, 60 V, 600 V $\pm$ (1.0% + 3) 750 V $\pm$ (1.2% + 5)
DC Voltage	60 mV, 600 mV, 6 V, 60 V, 600 V, 1000 V	60 mV, 600 mV $\pm$ (0.8% + 3) 6 V, 60 V, 600 V $\pm$ (0.5% + 1) 1000 V $\pm$ (1.0% + 3)
AC Current	600 $\mu$ A, 6000 $\mu$ A, 60 mA, 600 mA, 6 A, 10 A	600 $\mu$ A, 6000 $\mu$ A $\pm$ (1.2% + 5) 60 mA, 600 mA $\pm$ (1.5% + 5) 6 A, 10 A $\pm$ (2.0% + 5)
DC Current	600 $\mu$ A, 6000 $\mu$ A, 60 mA, 600 mA, 6 A, 10 A	600 $\mu$ A, 6000 $\mu$ A, 60 mA, 600 mA $\pm$ (1.0% + 3) 6 A, 10 A $\pm$ (1.2% + 5)
Resistance	600 $\Omega$ , 6 K $\Omega$ , 60 K $\Omega$ , 600 K $\Omega$ , 6 M $\Omega$ , 60 M $\Omega$	600 $\Omega$ $\pm$ (1.2% + 2) 6 K $\Omega$ , 60 K $\Omega$ , 600 K $\Omega$ $\pm$ (1.0% + 2) 6 M $\Omega$ $\pm$ (1.2% + 2) 60 M $\Omega$ $\pm$ (1.5% + 2)
Capacitance	40 nF, 400 nF, 4 $\mu$ F, 40 $\mu$ F, 400 $\mu$ F, 4000 $\mu$ F	40 nF, 400 nF, 4 $\mu$ F, 40 $\mu$ F $\pm$ (3.0% + 5) 400 $\mu$ F $\pm$ (4.0% + 5), 4000 $\mu$ F undefined
Frequency	10 Hz~10 MHz	$\pm$ (0.1% + 4)
Duty Cycle	0.1%~99.9%	-



GBP-DM6650T



## GDT-3190 4 FUNCTION MANUAL DIGITAL MULTIMETER

### Tests AC Voltage, DC Voltage, Resistance and Batteries

- 16 position, smooth rotary dial
- Data hold feature captures the reading on the display
- Compact design for easy use, storage, and transportation
- Durable, drop resistant housing
- Protective rubber boot with test lead holders and tilt-out stand
- Snap-in leads spaced to fit standard outlet
- Replaceable 26" test leads
- Auto power off and low battery indicator

GDT-3190	Range
AC Voltage	500 V
AC Voltage	600 V
Resistance	✓
Battery Testing	✓
Manual or Auto Ranging	Manual
Total Functions	4
Total Ranges	15



GDT-3190



Test outlets

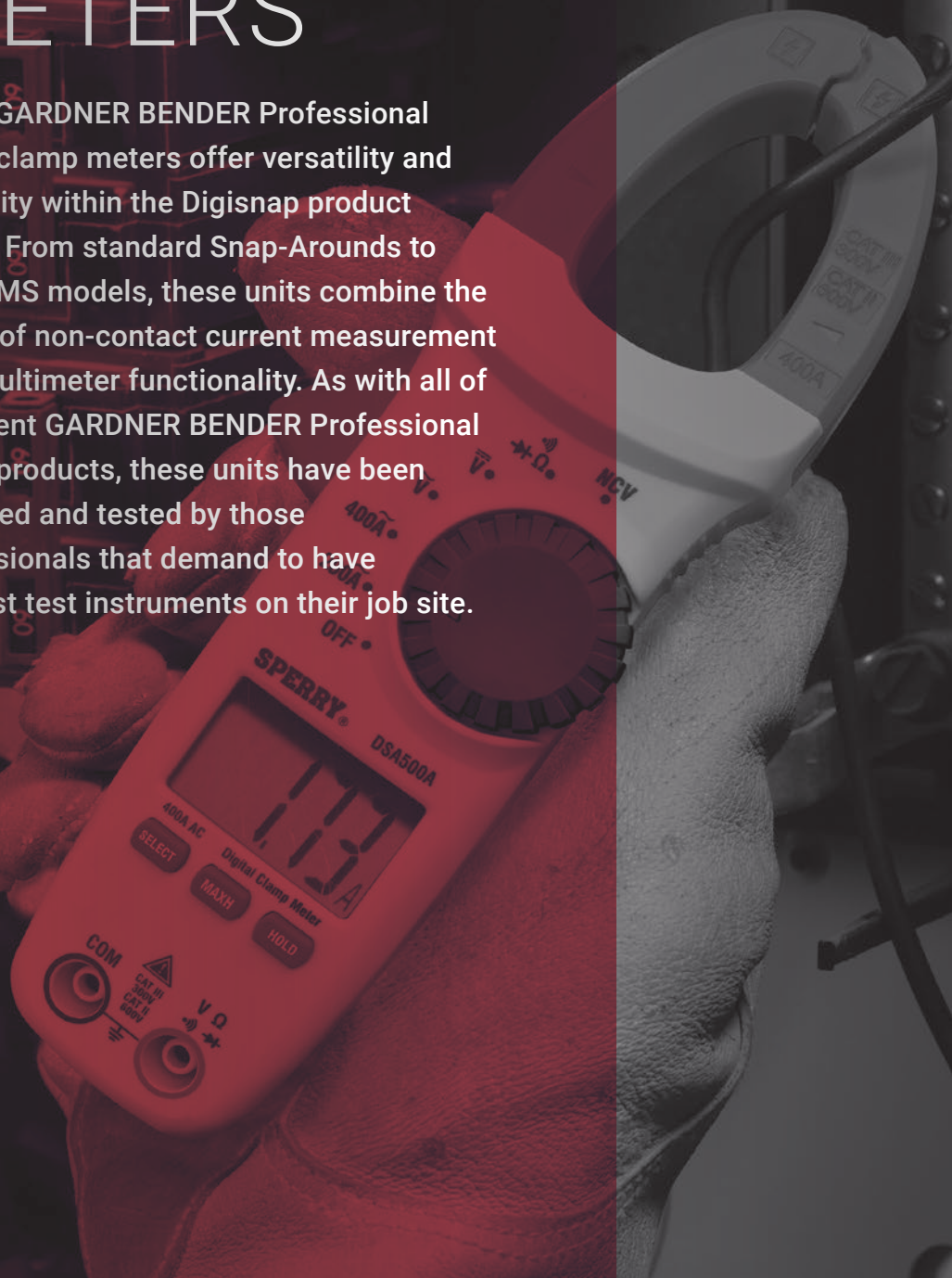


Test lead holders for one-handed testing



# CLAMP METERS

nVent GARDNER BENDER Professional Grade 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 nVent GARDNER BENDER Professional Grade 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 .....20-21  
 Open Jaw Clamp Meter .....22  
 7 Function & 10 Function Digital Snap-Around .....23













True RMS 12 Function Digital Clamp Meter .....24  
 True RMS 10 Function Digital Snap-Around.....25  
 True RMS 6 Function .....26  
 Digisnap Digital Snap Around



# Clamp Meters

## CLAMP METER OFFERING QUICK CHART















	Model	GBP-DSA500AR	GBP-DSA540A	GBP-DSA200AOC
FUNCTIONS	AC Voltage	600 V	600 V	600 V
	DC Voltage	600 V	600 V	600 V
	Non Contact AC Voltage	✓	✓	-
	AC Current	400 A	400 A	200 A
	DC Current	-	400 A	-
	Resistance and Continuity	✓	✓	✓
	Capacitance	-	✓	✓
	True RMS	-	-	-
	Frequency	-	✓	✓
	Non-Contact Voltage Detection	✓	✓	-
	Temperature (Probe type)	-	-	-
	FEATURES	Manual or Auto Ranging	Auto	Auto
Total Functions		7	10	9
Total Ranges		17	26	27
Low Battery Indicator		✓	✓	✓
Auto Off		✓	✓	✓
Backlit LCD		-	-	✓
Data Hold		✓	✓	✓
Carrying Case		✓	✓	✓
Agency Approval				
CAT Rating		III 300 V II 600 V	III 300 V II 600 V	III 600V
Drop Rating				
Crush Rating				
Warranty				

# Clamp Meters

## CLAMP METER OFFERING QUICK CHART



	Model	GBP-DSA600TRMSR	GBP-DSA1020TRMS	GBP-DSA2009TRMS
FUNCTIONS	AC Voltage	600 V	600 V	1000 V
	DC Voltage	600 V	600 V	1000 V
	Non Contact AC Voltage	✓	✓	-
	AC Current	600 A	1000 A	2000 A
	DC Current	-	1000 A	2000 A
	Resistance and Continuity	✓	✓	✓
	Capacitance	✓	✓	-
	True RMS	✓	✓	✓
	Frequency	✓	✓	✓
	Non-Contact Voltage Detection	✓	✓	✓
	Temperature (Probe type)	✓	✓	-
	FEATURES	Manual or Auto Ranging	Auto	Auto
Total Functions		12	12	13
Total Ranges		28	29	25
Low Battery Indicator		✓	✓	✓
Auto Off		✓	✓	✓
Backlit LCD		✓	✓	✓
Data Hold		✓	✓	✓
Carrying Case		✓	✓	Wrist Strap
Agency Approval				
CAT Rating		III 600 V	IV 600 V	IV 600 V III 1000 V
Drop Rating				
Crush Rating				
Warranty				

# Clamp Meters

## GBP-DSA200AOC OPEN JAW CLAMP METER

- Auto Ranging
- Manual Range Mode
- Data Hold
- Overload protection
- Over-range indication
- Polarity indication
- Low Battery Indicator
- Auto Shut off
- Built-in Lead Storage
- Includes Carrying Case
- Operates from (2) AAA batteries, included

GBP-DSA200AOC	Range	Accuracy
AC Current	200 A	$\pm(3.0\%+3)$
AC Voltage	4 V/ 40 V/ 400 V	$\pm(0.8\%+5)$
	600 V	$\pm(1.0\%+10)$
DC Voltage	400 mV	$\pm(0.8\%+3)$
	4 V/ 40 V/ 400 V	$\pm(0.7\%+1)$
	600 V	$\pm(0.8\%+3)$
Resistance	400 $\Omega$	$\pm(1.2\%+3)$
	4 k $\Omega$ / 40 k $\Omega$ / 400 k $\Omega$	$\pm(1.0\%+2)$
	4 M $\Omega$	$\pm(1.2\%+2)$
	40 M $\Omega$	$\pm(2.0\%+3)$
Capacitance	4 nF	Not Guaranteed
	40 nF/ 400 nF/ 4 $\mu$ F/ 40 $\mu$ F	$\pm(4.0\%+10)$
	100 $\mu$ F	$\pm(8.0\%+10)$
Frequency	10 Hz/ 100 Hz/ 1 kHz/ 10 kHz/ 100 kHz	$\pm(1.5\%+1)$
Duty Cycle	1% - 99%	1 Hz - 10 kHz $\pm(2.0\%+5)$ $\leq 10$ Hz not specified
Diode Test		✓
Continuity		✓



GBP-DSA200AOC



3999 count backlit screen



13mm Open jaw design for ease of measurement



### SAFELY PROVIDES FAST AND CLEAR READINGS EVERY TIME

This 27 range, 9 function open jaw clamp meter has a 3999 count backlit screen and 13MM open jaw design for ease of measurement. CAT III 600V and cETLus listed with a lifetime warranty to give our users the peace of mind they deserve. Ships with carrying case, heavy duty leads and two AA batteries included in the package.



# Clamp Meters

## GBP-DSA500AR 7 FUNCTION & GBP-DSA540A 10 FUNCTION DIGITAL SNAP-AROUND

- ETL listed to UL and CSA standards
- Industry standard safety test leads
- Recessed Input Terminals
- Electronic Overload Protection
- Non-contact voltage detection (GBP-DSA500AR)
- Relative delta displays changes in reading (GBP-DSA540A)
- 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 (3) AAA batteries, included

GBP-DSA500AR	Range	Accuracy
AC Current	200 A/ 400 A	± (2.0% + 5)
AC Voltage	2 V/ 20 V/ 200 V/ 600 V	± (2.0% + 5)
DC Voltage	200 mV/ 2 V/ 20 V/ 200 V/ 600 V	± (1.5% + 5)
Resistance	200 Ω/ 2 kΩ/ 20 kΩ/ 200 kΩ/ 2 MΩ/ 20 MΩ	± (2.0% + 5)
Diode Test		✓
Continuity		✓

GBP-DSA540A	Range	Accuracy
AC Current	40 A	± (3.0% + 8)
	400 A	40.0–299.9 A ± (3.5% + 6)/ 300.0–400.0 A ± (4.0% + 6)
AC Voltage	4 V/ 40 V/ 400 V/ 600 V	± (2.0% + 5)
DC Voltage	400 mV/ 4 V/ 40 V/ 400 V/ 600 V	± (1.5% + 5)
DC Current	40 A	± (3.0% + 8)
	400 A	40.0–299.9 A ± (3.5% + 6)/ 300.0–400.0 A ± (4.0% + 6)
Resistance	400 Ω/ 4 kΩ/ 40 kΩ/ 400 kΩ/ 4 MΩ/ 40 MΩ	± (2.0% + 5)
Capacitance	50.00 nF	± (4.0% + 25)
	500.0 nF/ 5.000 uF/ 50.00 uF/ 100.0 uF	± (4.0% + 5)
Frequency	10 Hz~1 MHz	± (0.1% + 3)
	10 MHz	Undefined
Diode Test		✓
Continuity		✓



GBP-DSA500AR

GBP-DSA540A



### DESIGNED TO BE SIMPLE TO USE WITH ADVANCED PERFORMANCE

The GBP-DSA500AR nVent GARDNER BENDER Instruments Clamp Meter is a 10 function, 26 range auto-ranging unit with non-contact voltage detection engineered to measure AC/DC Current (40-400A), AC/DC Voltage (600V), Resistance (40MΩ), Frequency, and Continuity. Advanced data management including relative measurement and data hold. Ships with carry case, heavy duty leads and three AAA batteries included in the package.



# Clamp Meters

## GBP-DSA600TRMSR TRUE RMS 12 FUNCTION DIGITAL CLAMP METER

- ETL listed to UL and CSA standards
- Industry standard safety test leads
- Precise True RMS circuitry
- Recessed Input Terminals
- Electronic Overload Protection
- Non-contact voltage detection
- Max reading hold
- 600A AC 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 (3) AAA batteries, included

GBP-DSA600TRMSR	Range	Accuracy
AC Current	6 A	± (3.5% + 20)
	60 A/ 600 A	± (2.5% + 8)
AC Voltage	6 V	± (1.2% + 5)
	60 V/ 600 V	± (0.8% + 5)
DC Voltage	60 mV/ 600 mV/ 6 V/ 60 V/ 600 V	± (0.5% + 5)
	600 Ω	± (0.8% + 10)
Resistance	6 kΩ/ 60 kΩ/ 600 kΩ	± (0.8% + 3)
	6 MΩ/ 60MΩ	± (1.2% + 3)
Capacitance	6 nF/ 60 nF/ 600 nF/ 6 μF/ 60 μF/ 600 μF	± (3% + 5)
Frequency	99.99 Hz/ 999.9 Hz/ 9.999 kHz/ 9999 HZ/ 99.99 kHz	± (.5% + 3)
Temperature °C	0°to 300°C	± (1.0% + 3)
	301°to 1000°C	± (1.2% + 6)
Temperature °F	32°to 600°F	± (1.2% + 6)
	601°to 1832°F	± (1.9% + 6)
InRush Current	6 A	<20 Reference Only
	60 A/600 A	± (5% + 60)
Duty Cycle	0.1–99.9%	± 3% + 5
Diode Test		✓
Continuity		✓



GBP-DSA600TRMSR



### DURABLE, SAFE UNIT SUITED FOR A WIDE ARRAY OF ELECTRICAL APPLICATIONS

The nVent GARDNER BENDER Instruments GBP-DSA600TRMSR 600A True RMS Clamp Meter has more features and functions without the extra cost! This clamp meter offers a large range of superior functions including inrush current, a built-in work light, frequency and advanced temperature measurement. This unit features data hold, peak hold, and relative functions to maintain the reading on the 5999 count backlit screen and auto power-off functionality to extend battery life. Ships with carry case, heavy duty leads and three AAA batteries included in the package.



# Clamp Meters

## GBP-DSA1020TRMS TRUE RMS 10 FUNCTION DIGITAL SNAP-AROUND

- ETL listed to UL and CSA standards
- Industry standard safety test leads
- Precise True RMS circuitry
- Recessed Input Terminals
- Electronic Overload Protection
- Non-contact voltage detection
- Relative delta displays changes in reading
- 1000 Amp AC/DC 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
- Backlit 5999 Count LCD screen
- Bar graph
- 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 (3) AAA batteries, included



GBP-DSA1020TRMS

GBP-DSA1020TRMS	Range	Accuracy
AC Current	600 A/ 1000 A	± (2.5% + 5)
DC Current	600 A/ 1000 A	± (2.5% + 5)
AC Voltage	6 V/ 60 V/ 600 V	± (1.5% + 4)(50/60 Hz)/ ± (3.5% + 5)(40~400 Hz)
DC Voltage	600 mV/ 6 V/ 60 V/ 600 V	± (1.0% + 3)
Resistance	600 Ω/ 6 kΩ/ 60 kΩ	± (1.2% + 5)
	600 kΩ/ 6 MΩ/ 60 MΩ	± (5.0% + 8)
Capacitance	60 nF	± (3.0% + 50)
	600 nF/ 6 uF/ 60 uF/ 600 uF	± (4.0% + 20)
	6mF	± 10.0%
	60mF	Undefined
Frequency	100 Hz/ 1 kHz	± (0.5% + 5)
Temperature °C	-40° to 40°C	± (2.8% + 6)
	40° to 1000°C	± (2.5% + 4)
Temperature °F	-40° to 104°F	± (5% + 12)
	104° to 1832°F	± (4.5% + 8)
Duty Cycle	0.1%–99.9%	± (2.5% + 5)
Diode Test		✓
Continuity		✓



### CONSTRUCTED WITH ALL THE ESSENTIAL FEATURES AND FUNCTIONS TO SAFELY OBTAIN ACCURATE READINGS

Engineered to exceed the expectations of the professional electrician the GBP-DSA1020TRMS is a 12 Function/ 29 range Digital Snap-Around Clamp Meter with precise True RMS circuitry and a 1000 Amp non-contact current reading. Designed with integrated non-contact voltage detection and a Min/Max data hold capable function which allows you to hold either minimum reading or maximum reading on the display. This auto ranging unit measures up to 1000A AC/DC current, 600V AC/DC voltage, 60MΩ resistance, 1kHz frequency, non-contact AC voltage detection, temperature from – 40 to 1832°F and capacitance to 60mF. Also able to test continuity, diodes, and duty cycle, this unit features a backlit LCD display ideal for low light applications and an auto power of functionality to save battery life. We consider safety first, this instrument has been designed, tested and certified to cETLus standards at CAT IV 600V and includes a limited lifetime warranty. Unit ships with test leads, temp probe, carrying case and 3 AAA batteries (required for use).



# Clamp Meters

## GBP-DSA2009TRMS TRUE RMS 6 FUNCTION DIGISNAP DIGITAL SNAP-AROUND

- ETL listed to UL and CSA standards
- Industry standard safety test leads
- Precise True RMS circuitry
- Recessed Input Terminals
- Electronic Overload Protection
- Non-contact voltage detection
- 1000 AC/DC 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
- Backlit 5999 Count LCD screen
- Peak Hold function to display in-rush current
- Auto power off functionality to save battery life
- Includes convenient wrist strap
- Operates from (1) 9 volt battery, included

GBP-DSA2009TRMS	Range	Accuracy
AC Current	660.0 A/ 2000 A	± (2.5% + 5)
AC Voltage	6.600 V/ 66.00 V/ 660.0 V	± (1.2% + 5)
	1000 V	± (1.5% + 5)
DC Voltage	6.600 V	± (0.8% + 3)
	66.00 V/ 660.0 V	± (0.8% + 1)
	1000 V	± (1.0% + 3)
DC Current	660.0 A/ 2000 A	± (2.5% + 5)
Resistance	660.0 Ω	± (1.2% + 2)
	6.600 kΩ/ 66.00 kΩ/ 660.0 kΩ	± (1.0% + 2)
	6.600 MΩ	± (1.2% + 2)
	66.00 MΩ	± (1.5% + 2)
Frequency	66.00 Hz/ 660.0 Hz/ 6.600 kHz/ 66.00 kHz/ 660.0 kHz/ 6.600 MHz/ 20.00 MHz	± (0.1% + 3)
Diode Test		✓
Continuity		✓



DSA2009TRMS



### ENGINEERED WITH SAFETY IN MIND TO LAST LONG AND ALWAYS REMAIN ACCURATE

The GBP-DSA2009TRMS features True RMS circuitry and measurement of up to 2000A AC/DC. Features low pass filtering, InRush current, oscilloscope output, and a backlit display with bar graph to meet the toughest jobs head on. CAT IV 600V rated with a lifetime warranty to ensure safety and reliability in the field. Ships with wrist strap, heavy duty leads and 9V battery included in the package.





A hand wearing a black nVent Gardner Bender glove is shown operating a red specialty meter. The meter has a digital display and various buttons. The background is a dark, industrial setting with a red vertical stripe. The nVent Gardner Bender logo is visible on the glove.

# SPECIALTY METERS

Some jobs just require highly specialized products. The nVent GARDNER BENDER Professional Grade offering of highly specialized test & measure products has been designed to meet the demanding requirements of any jobsite.

# Specialty Meters



Specialty Offering Quick Chart .....29

Phase Sequence and Open Phase Indicator .....30

## SPECIALTY OFFERING QUICK CHART



	Model	GBP-PSI8031
FUNCTIONS	Wired and Non-Contact Motor Rotation Direction	✓
	Phase Sequence Indication	✓
	Temp Range	-
	Distance to Spot Ratio	-
	Emissivity	-
	Backlit Display	-
	Includes carrying case	✓
FEATURES	CAT Rating	CAT IV 600 V
	Agency Approval	CE
	Drop Rating	10A DROP
	Crush Rating	250lb CRUSH
	Warranty	Lifetime Warranty

# Specialty Meters

## GBP-PSI8031 PHASE SEQUENCE AND OPEN PHASE INDICATOR

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

- Visual rotation indication
- Color coded test leads
- Double insulated alligator clips for increased protection
- Non-contact motor rotation
- Shock resistant plastic housing
- LED indication of phase wiring
- Compact design and lightweight for easy handling
- Includes convenient carrying case
- Operates from (1) 9 volt battery, included

GBP-PSI8031	Range
AC Voltage	90 – 600V
Push Switch Button	✓
Broad Operating Range	✓
Visual Indication	✓
Color Coded Clips	✓
Frequency	15 – 400 Hz



Test leads for phase sequence

GBP-PSI8031

### NON-CONTACT ROTATION DIRECTION, NO TEST LEADS NEEDED!

With this upgraded phase sequence and open phase indicator from nVent GARDNER BENDER Instruments, you can verify proper wiring and connection in 3-phase motor applications. The GBP-PSI8031 features a compact design and is lightweight for easy handling. It operates from (1) 9V battery (included) for easy replacement and is CAT III 600V. The indicator is built with LED indication of phase wiring and is covered in a shock resistant plastic housing. The GBP-PSI8031 phase sequence and open phase indicator is the perfect addition to any electrician's tool bag.







# VOICE / DATA / VIDEO

Designed for the demanding needs of today's Voice Data Video professionals, the nVent GARDNER BENDER Professional Grade 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




Voice/Data/Video Quick Chart .....34  
Wire Tracker Wire Tracer .....35



# Voice / Data / Video

## VOICE / DATA / VIDEO QUICK CHART



Model		GBP-ET64220
FUNCTIONS	Line Tracing	✓
	Test Continuity	-
	3 tones for multiple wire traces	-
	Test Single/Dual Telephone Lines	-
FEATURES	Visual	✓
	Audible	✓
	Auto-Off	45 Minutes
	Pocket Clip	✓
	Agency Approval	-
	Drop Rating	
	Crush Rating	
	Warranty	

# Voice / Data / Video

## GBP-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
- Auto off function included with transmitter to save battery life
- Operates from (2) AAA batteries (transmitter) and (4) LR44 batteries (receiver), included

GBP-ET64220	Range
Audible	✓
Visual	✓
Receiver Storage	✓
Belt Clip	✓
TRACER	✓

**Lifetime Warranty** Patented

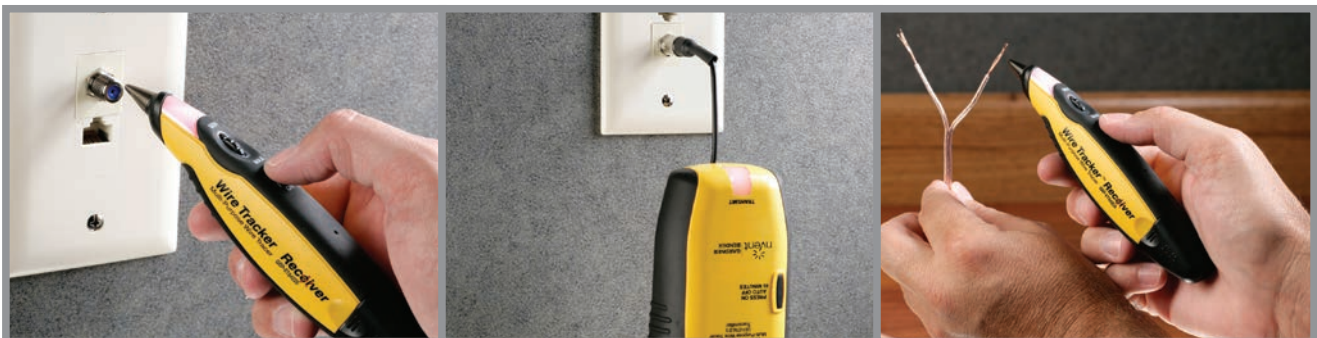


GBP-ET64220

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.



# Index

GBP-CS550AA .....	6, 7
GBP-DM6260 .....	12, 14
GBP-DM6410 .....	12, 14
GBP-DM6650T .....	13, 17
GBP-DM6800 .....	13, 15
GBP-DM6850T .....	13, 16
GBP-DSA1020TRMS .....	21, 25
GBP-DSA2009TRMS .....	21, 26
GBP-DSA200AOC .....	20, 22
GBP-DSA500AR .....	20, 23
GBP-DSA540A .....	20, 23
GBP-DSA600TRMSR .....	21, 24
GBP-ET64220 .....	34, 35
GBP-PD6902A .....	6, 8
GBP-PSI8031 .....	29, 30
GBP-VC61000 .....	6, 8
GDT-3190 .....	12, 17
GFI-3501A .....	6, 7









Our powerful portfolio of retail brands:

**CADDY   ERICO   GARDNER BENDER   KING INNOVATION**

---

©2025 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.  
GB-CAT-H32623-SperryInstrumentsAPAC-UKEN-2509



For more information  
Call 0800 367 229 | [sales@colterlec.co.nz](mailto:sales@colterlec.co.nz) | [www.colterlec.co.nz](http://www.colterlec.co.nz)