

Test & Measurement Equipment

Professional Grade





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

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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 Ω	400 Ω \pm (1.5% + 2) 4 k–400 k Ω \pm (1.0% + 2) 4 M Ω \pm (1.2% + 5) 20 M Ω \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 μ A, 20 mA, 200 mA, 10 A	200 μ A–200 mA \pm (0.8% + 5) 10 A \pm (1.2% + 5)
AC Amps	200 μ A, 20 mA, 200 mA, 10 A	200 μ A–200 mA \pm (1.0% + 5) 10A \pm (2% + 5)
Resistance	200, 2000, 20 K, 200 K, 2 M	200–200 k Ω \pm (1.5% + 2) 2 M Ω \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 Ω	200 Ω \pm (1.2% + 5) 2 K–200 K Ω \pm (1.0% + 5) 2 M Ω \pm (1.2% + 5) 20 M Ω \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 \pm (0.8%+ 5) 600 V \pm (1.0% + 5)
AC Voltage	4 V, 40 V, 400 V, 600 V	4 V-400 V \pm (1.0% + 5) 600 V \pm (1.2% + 8)
DC Amps	4 A, 10 A	4 A \pm (1.2% + 5) 10 A \pm (2.0% + 10)
AC Amps	4 A, 10 A	4 A \pm (1.5% + 5) 10 A \pm (3.0% + 10)
Frequency	99.99 Hz-99.99 kHz	\pm (10% + 5)
Capacitance	9.999 nF, 99.99 nF, 999.9 nF, 9.999 μ F, 99.99 μ F, 999.9 μ F	9.999 nF \pm (3.5% + 20) 99.99 nF \pm (2.5% + 20) 999.9 nF \pm (3.5% + 5) 9.999 μ F-999.9 μ F \pm (5.0% + 5)
Resistance	400 Ω , 4 K, 40 K, 400 K, 4 M, 40 M Ω	400 Ω \pm (1.2% + 5) 4 K Ω -400 K Ω \pm (1.0% + 5) 4 M Ω \pm (1.2% + 5) 40 M Ω \pm (1.5% + 5)
Temperature $^{\circ}$ F	-4 $^{\circ}$ F to 1832 $^{\circ}$ F	-4 $^{\circ}$ F to 32 $^{\circ}$ F \pm (5.0% + 8), 32 $^{\circ}$ F to 752 $^{\circ}$ F \pm (1.0% + 6), 752 $^{\circ}$ F to 1832 $^{\circ}$ F \pm (2.0% + 6)
Temperature $^{\circ}$ C	-20 $^{\circ}$ C to 1000 $^{\circ}$ C	-20 $^{\circ}$ C to 0 $^{\circ}$ C \pm (5.0% + 4), 0 $^{\circ}$ C to 400 $^{\circ}$ C \pm (1.0% + 3), 400 $^{\circ}$ C to 1000 $^{\circ}$ C \pm (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 μ A, 6000 μ A, 60 mA, 600 mA, 6 A, 10 A	600 μ A, 6000 μ A \pm (1.2% + 5) 60 mA, 600 mA \pm (1.5% + 5) 6 A, 10 A \pm (2.0% + 5)
DC Current	600 μ A, 6000 μ A, 60 mA, 600 mA, 6 A, 10 A	600 μ A, 6000 μ A, 60 mA, 600 mA \pm (1.0% + 3) 6 A, 10 A \pm (1.2% + 5)
Resistance	600 Ω , 6 K Ω , 60 K Ω , 600 K Ω , 6 M Ω , 60 M Ω	600 Ω \pm (1.2% + 2) 6 K Ω , 60 K Ω , 600 K Ω \pm (1.0% + 2) 6 M Ω \pm (1.2% + 2) 60 M Ω \pm (1.5% + 2)
Capacitance	40 nF, 400 nF, 4 μ F, 40 μ F, 400 μ F, 4000 μ F	40 nF, 400 nF, 4 μ F, 40 μ F \pm (3.0% + 5) 400 μ F \pm (4.0% + 5), 4000 μ 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





Our powerful portfolio of retail brands:

CADDY ERICO GARDNER BENDER KING INNOVATION

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