www.greenlee.com



TESTING & MEASUREMENT

SAFE. ACCURATE. RELIABLE. EXPECT NOTHING BUT THE BEST FROM GREENLEE ELECTRIC TEST AND MEASUREMENT EQUIPMENT. BACKED BY A LIMITED LIFETIME WARRANTY AND DESIGNED TO WITHSTAND RIGOROUS TASKS AND HARSH ELEMENTS, GREENLEE TEST AND MEASUREMENT TOOLS GET THE JOB DONE FASTER, SAFER, AND EASIER.

Contents

All and the second seco	Electrical Testers	387
	Cable Length Meter	391
	Multimeters	392
	Multimeter Accessories	398
	Clamp-On Meters	399
	Circuit Tracing	408
	Locators	411
	Buried Facility Location And Marking	412
	Basic Electrical Kits	415
	Circuit Verifying	416
	Insulation Testing	417
	Phase Sequence	419
	Infrared Thermometer	419
	Specialty Testers	420
	Accessories	422
		1 TIM

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 Items in box are not included.









Meeting today's stringent safety standards is essential.

Greenlee's certification of selected instruments to both the most recent IEC and UL requirements brings you assurance of the highest level of protection currently available.

What you should know about Measurement Category ratings.

IEC Category standards specify protection levels that are far above a system's rated capacity. Without this additional protection, transient overvoltages, which are becoming increasingly common, can lead to serious injury or death.

Measurement Category I is the signal level for telecommunications and electronic equipment or other circuits that are not directly connected to the utility mains.

Measurement Category II is the local level for fixed or nonfixed powered devices – everything from lighting to appliances to office equipment such as copiers; may also be used in Category I areas.

Measurement Category III is the distribution level – fixed primary feeders or branch circuits. These circuits are usually separated from Category IV (whether utility service or other high-voltage source) by a minimum of one level of transformer isolation; may also be used in Category II and Category I areas.

Measurement Category IV is the primary supply level. Greenlee is leading the way in offering protection

certified to conform with the highest level of protection as specified by UL & IEC standards; may be used in all Category environments.

Greeniee Instruments – Independently tested and certified to meet the standards.

Throughout this catalog, you'll see Category designations for many Greenlee instruments indicating that they comply with UL & IEC Category II, III, IV. All of these designations reflect third-party testing by independent testing organizations such as UL and ETL – added assurance for you. While there is no requirement for independent verification, we believe you deserve it.

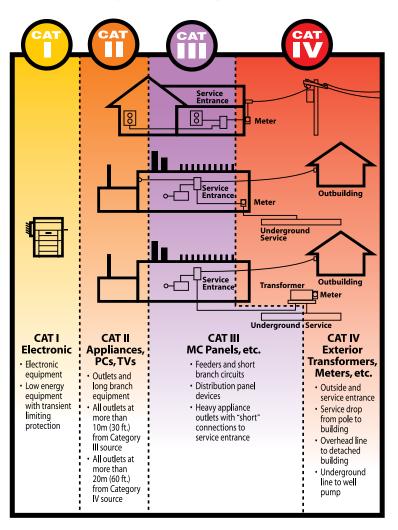
Get the right protection for the job.

Wherever you need overvoltage protection, choose at least the rating appropriate to the type of work you expect to be doing. If you have any questions on using Greenlee test instruments to help ensure user safety, please contact Greenlee.

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ELECTRICAL TESTERS Electrical Testers Comparison Guide

FEATURE	GT-95	GT-65	CSJ-100	CMT-90	CMT-80	2010	GT-16	GT-12A
VDC (V max)	1000	1000	1000	1000	600			
VAC (V max)	1000	1000	1000	1000	600	1000	1000	1000
AAC (A max)			200	600	400			
Continuity and beeper	•	•	•	•	•			
Resistance			•	•	•			
Data hold			•	•	•			
GFCI test	•							
Non-contact voltage detection	•	•	•			•	•	•
Adjustable sensitivity						•	•	
Display type	Digital/LED	LED	Digital	Digital	Digital	LED	LED	LED
Measurement Category	IV, 600V	IV, 600V	IV, 600V	IV, 600V	III, 600V	III, 1000V	IV, 1000V	IV, 1000V
	III, 1000V	III, 1000V	III, 1000V	III, 1000V				
UL/cUL	•	•	•	•	•	•	•	•
CE	•	•	•	•	•	•	•	•

GT-95 Voltage Tester



CANADA PHONE 866.384.8813 FAX 800.524.2853

AC Open Jaw Clamp Meter



- AC amperage, AC/DC voltage measurement
- Open jaw design eases AC current measurement •
- Slim profile with built-in probe storage on back •
- Measures resistance up to 20MΩ •
- · Audible continuity and diode test
- Bright LED and audible alarm for non-contact voltage detection
- Auto power off for longer battery life
- Data hold to capture measurements
- 2000 count LCD •
- Accessories included: (2) 1.5V AAA batteries, test leads and carrying case •
- Lifetime Limited Warranty

SPECIFICATIONS

Amperage Meas	surement	200.0 AC
Voltage Measur	ement Range	e 200.0, 1000V
Resistance Mea	surement	200.0Ω; 2.000, 20.00, 200.0 kΩ; 2.000, 20.00 MΩ
Display		2000-count LCD
Jaw Opening		0.63" (16mm)
Measurement C	ategory	Cat IV 600V, Cat III 1000V
CAT. NO.	UPC NO.	DESCRIPTION
CSJ-100	87136	Clamp, Open Jaw
11372	11372	Test Leads
TC-5	07588	Carrying Case

Automatic Electrical Tester



- · Hassle-free, automatic measurement of amperage, voltage and resistance
- Low impedance eliminates stray or "ghost" voltage readings ٠
- True RMS for the most accurate measurement when harmonics are present •
- · High resolution, auto-illuminating LCD backlit display
- Auto off for longer battery life
- Resistance measurement •
- Audible continuity test •
- Diode test

- · Data hold to capture measurements
- · Accessories included: (1) 9 V battery, test leads and carrying case
- Lifetime Limited Warranty

SPECIFICATIONS

Amperage	Measuremer	nt ACA 0.9 to 600.0
Voltage Me	asurement	AC V: 1.3 to 999.9; DC V; 2.1 to 999.9; -0.7 to -999.9
Resistance		999Ω; 9.999kΩ
Display		10,000-count LCD
Jaw Openii	ng	1.34" (34 mm)
Measurem	ent Category	CAT IV, 600 V; CAT III, 1000 V
CAT. NO.	UPC NO.	DESCRIPTION
CMT-90	12123	Electrical Tester, 1000V, 600A
TSG-3	12034	Sure-Grip Test Leads

12034 Sure-Grip Test Leads TC-10 Carrying case 07534

388

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Automatic Electrical Tester



- · Hassle-free, automatic measurement of amperage, voltage and resistance
- Low impedance eliminates stray or "ghost" voltage readings
- Compact design for measuring in tight spaces •
- Resistance measurement •
- · Audible continuity test
- Diode test •
- Data hold to capture important readings •
- Auto off for longer battery life
- Accessories included: (1) 9 V battery, test leads and carrying case
- Lifetime Limited Warranty

SPECIFICATIONS

Amperage Measurement		t 0.9 - 400.0A AC
Voltage Measurement		AC V: 1.3 to 600.0V; DC V: 2.1 to 600.0; -0.7 to -600.0V
Resistance		999Ω; 9.999kΩ
Display		10,00 count LCD
Jaw Opening		1.06" (27 mm)
Measurem	ent Category	CAT III, 600V
CAT NO		DESCRIPTION
UAI. NO.	010 NO.	
CMT-80	07735	Electrical Tester
11372	11372	Test Leads
TC-5	07588	Carrying case
	Voltage Me Resistance Display Jaw Openii Measurem CAT. NO. CMT-80 11372	Voltage Measurement Resistance Display Jaw Opening Measurement Category CAT. NO. UPC NO. CMT-80 07735 11372 11372

Touchless AC Voltage Indicator



Bright LED and audible alarm if voltage is present

Adjustable to safely detect power and low voltage

Safely detects AC voltage without touching the bare conductor

· Use to detect voltage in outlets, lighting fixtures, wires and cables

ACV 5-1000

CAT IV, 1000V

Adjustable Non-Contact Voltage Detector

50-500Hz

DESCRIPTION

Adjustable for use on power wiring plus lighting, thermostats and other

- · Fast, easy, non-contact voltage detection
- · Adjustable sensitivity
- Identifies hot and neutral conductors •
- Checks individual breakers for power •
- Accessories included: (1) 9V battery
- Lifetime Limited Warranty

low voltage circuits

• Finds breaks in wires

 Low battery indication Lifetime Limited Warranty

SPECIFICATIONS Voltage Detection:

Measurement Category:

UPC NO.

12727

Frequency:

CAT. NO. GT-16

FAX +1.815.397.9247

Identifies hot and neutral conductors

SPECIFICATIONS

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Voltage Me	asurement	AC V 24-1000
Frequency		50-500Hz
Measurem	ent Category	CAT III, 1000V
CAT. NO.	UPC NO.	DESCRIPTION
2010	34470	Touchless AC Voltage Indicator

Adjustable Non-Contact Voltage Detector



FAX 800.451.2632

FAX 800.524.2853

Non-Contact Voltage Detector



Single button operation

- CAT IV 1000 V rated for maximum safety
- · Patented automatic self-test runs every 2 seconds for accurate results every time
- · Automatically shuts off after 5 minutes of inactivity to extend battery life
- · Bright LEDs flash and audible alarm sounds if AC voltage is present
- · Silent mode for use in guiet areas
- · Safe, non-contact voltage detection
- Lifetime Limited Warranty
- · Designed and assembled in USA

SPECIFICATIONS

Voltage De	tection:	AC V 50-1000
Frequency		50-500Hz
Measurement Category:		CAT IV, 1000V
CAT. NO.	UPC NO.	DESCRIPTION

Self Testing Non-Contact Voltage Detector



- · Detects voltage in tamper-resistant and conventional 15A and 20A, 120V outlets
- Patented automatic self-test verifies the integrity of the unit
- Bright LEDs flash and audible alarm sounds if voltage is present
- Silent-mode feature for use in quiet settings
- Safe, non-contact voltage detection
- Use to detect voltage in outlets, lighting fixtures, circuit breakers, wires, and cables
 or to find a break in a wire
- · Automatically turns off after 5 minutes of non-use to conserve battery life
- · Low battery indicator
- · Designed and assembled in USA
- Lifetime Limited Warranty

SPECIFICATIONS

		F0 (000)/00
Voltage De	tection:	50-1000 VAC
Frequency:		50-500 Hz
Measurem	ent Category:	Cat IV, 1000V
CAT. NO.	UPC NO.	DESCRIPTION
TR-12A	02733	Self-Testing Non-Contact Voltage Detector



CANADA PHONE 866.384.8813 FAX 800.524.2853



 Measures length of cable without removing it from spool, counting turns or weighing spool

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- · Push button selections of copper or aluminum cable
- Measures cable length from 15 ft. to 100 ft.
- Measures resistant values down to 199.99Ω
- CLM-1000 measures the following pre-set AWG wire gages: 18, 16, 14, 12, 10, 8, 6,4, 2, 1/0, 2/0, 3/0, 4/0
- CLM-1000 measures the following pre-set kcmil wire sizes: 250, 350, 400, 500, 600, 750, 1000
- CLM-1000E measures the following metric wire sizes: 0.75, 1, 1.5, 2.5, 4, 6, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185 240, 300, 400, 500 mm²
- Eight user-programmable settings for other gauges
- Powered by (6) 1.5V AA batteries
- Replacement calibration rods (pair) available as CLM-ROD, UPC 02721
- Replacement Kelvin clips (pair) available as CLM-CLIPS, UPC 02722
- Lifetime Limited Warranty

SPECIFICATIONS

-	Display: Voltage Rating Resistance Range:		4-1/2" LCD Not intended for connection to live voltage 199.9 milliohms to 1999.9 ohms in 5 ranges
	CAT. NO.	UPC NO.	DESCRIPTION
0	CLM-1000	02719	Standard Cable Length Meter
	CLM-1000E	02720	Metric Cable Length Meter
	CLM-ROD	02721	Calibration Rods (Pair)
	CLM-CLIPS	02722	Kelvin Clips (Pair)

MULTIMETERS DMM Comparison Guide

FEATURE	DM-860A	DML-430A	DM-830A	DM-820A	DM-810A	DM-510A	DM-210A	DM-200A
True RMS	AC+DC	AC+DC	AC+DC	•	•	•		
DCA (A max)	10	10	10	10	10	8	8	8
Maximum resolution (µA)	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Best accuracy (%)	0.1	0.2	0.2	0.2	0.2	0.5	0.5	0.5
ACA (A max)	10	10	10	10	10	8	8	8
Maximum resolution (µA)	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Best accuracy (%)	0.5	0.6	0.6	0.6	0.6	1.0	1.0	1.0
DCV (V max)	1000	1000	1000	1000	1000	1000	1000	1000
Maximum resolution (µV)	1	10	10	10	10	10	10	10
Best accuracy (%)	0.02	0.06	0.06	0.06	0.06	0.2	0.2	0.2
ACV (V max)	1000	1000	1000	1000	1000	1000	1000	1000
Maximum resolution (µV)	10	10	10	10	10	10	10	10
Best accuracy (%)	0.3	0.5	0.5	0.5	0.5	1.0	1.0	1.0
Resistance (M Ω)	50	60	60	60	60	60	60	60
Maximum resolution (m Ω)	10	100	100	100	100	100	100	100
Best accuracy (%)	0.07	0.1	0.1	0.1	0.1	0.5	0.5	0.5
Conductance	•	•	•	•	-			
Continuity and beeper	•	•	•	•	•	•	•	•
Diode Test	•	•	•	•	•	•	•	•
Capacitance	•	•	•	•	•	•	•	
Frequency	•	•	•	•	•	•	•	•
Frequency Response (Hz)	20-100k	40-500	40-500	40-500	40-500	50-400	50-400	50-400
requerey response (n2)	Dual	Dual	Dual	Single	40 000	Single	Single	00 400
Display Type	Dual Digital	Digital	Digital	Digital				
Display Type	50,000	Duai Digitai	Duai Digitai	-	Duai Digitai	Digital		Digitai
Display counts	500,000	10,000	10,000	10,000	10,000	6,000	6,000	6,000
Backlight	•	•	•	•	•	•	•	•
Display update X/sec	5	5	5	5	5	5	5	5
Analog bar graph segments	41	41	41	41	41	24	24	24
Analog update X/sec	60	60	60	60	60	40	40	40
Computer Interface	USB	USB	USB	USB	USB	USB, RS-232	USB, RS-232	USB, RS-23
Auto and manual ranging	•	•	•	•	•	•	•	•
ntelligent Auto Power Off	•	•	•	•	•			
Auto Power Off						•	•	•
Non-Contact Voltage Detection			•	•		•	•	•
Low Impedance AutoCheck™ mode		•	•			•		
Beep-Jack™ Input error warning	•	•	•	•	•	•	•	•
Peak (crest) Hold - Max, Min	•	•	•	•		•		
Data Hold	•	•	•	•	•	•	•	•
Max/Min/Avg	•	max, min	•	•		max, min		
Relative offset mode (Δ)	•	•	•	•	•	•	•	•
Process loop measurement	•							
Data logging (points stored, single channel)		87,000						
Data logging (points stored, dual channel)		43,000						
Duty cycle	•	•	•	•	•			
/FD (Variable Frequency Drive) ACV & Hz	•							
Veasurement Category Rating	IV, 1000V	IV, 300V III, 600V II, 1000V	IV, 300V III, 600V II, 1000V	IV, 300V III, 600V II, 1000V				
JL or ETL	•	•	•	•	•	•	•	•
CUL, CETL or CSA	•	•	•	•	•	•	•	•
CE	•	•	•	•	•	•	•	•



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DMM Comparison Guide

FEATURE	DM-65	DM-45	DM-25	PDMM-20
True RMS				
DCA (A max)	10	10		
Maximum resolution (µA)	0.1	0.1		
Best accuracy (%)	1.0	1.0		
ACA (A max)	10	10		
Maximum resolution (µA)	0.1	0.1		
Best accuracy (%)	1.8	1.8		
DCV (V max)	1000	600	600	450
Maximum resolution (µV)	100	100	10 mV	1000
Best accuracy (%)	0.8	0.8	0.8	0.5
ACV (V max)	1000	600	600	450
Maximum resolution (µV)	1000	1000	0.1V	1000
Best accuracy (%)	0.8	0.8	1.2	1.5
Resistance (M Ω)	60	40	2	6
Maximum resolution (mΩ)	100	100	100	1000
Best accuracy (%)	1.0	1.0	1.0	1.0
Conductivity				
Continuity and beeper	•	•	•	•
Diode test	•	•	•	
Capacitance	•	•		•
Frequency	•	•		•
Frequency response (Hz)	40-400	40-400	40-400	50-60
Temperature measurement	Single	Single	00+ 04	50 00
Display type	Digital	Digital	Digital	Digital
		-		
Display counts	6000	4000	2000	6000
Backlight	•	•		
Display update X/sec	3	3	2.5	5
Analog bar graph segments	61			
Analog update X/sec	3			
Computer interface				
Auto and manual ranging	•	•		
Intelligent Auto power off				•
Auto power off	•	•		
Non-contact voltage detection				•
Low Impedance AutoCheck™ mode				•
Beep-Jack™ Input error warning				
Peak (crest) Hold - Max, Min				
Data hold	•	•		
Min/Max/Avg				
Relative offset mode (Δ)	•	•		
Process loop measurement				
Data logging (points stored, single channel)				
Data logging (points stored, dual channel)				
Duty cycle	•	•		
VFD (variable frequency drive) ACV & Hz				
Measurement Category Rating	IV, 600V III, 1000V	III, 600V	III, 600V	III, 300V II, 450V
UL or ETL	•	•	•	•
cUL, cETL or CSA	•	•	•	•
CE	•	•	•	•

ESM[™] Industrial 500,000-Count Digital Multimeter







SPECIFICATIONS

Voltage Measurement	500.00mV; 5.0000, 50.000, 500.00, 1000.0V
DC Voltage Measurement	500,000 counts mode: 500.00mV; 5.00000, 50.0000, 500.000, 1000.00V
Amperage Measurement	500.00, 5000.0µA; 50.000, 500.00mA; 5.0000, 10.000A
Resistance	500.00Ω; 5.0000, 50.000, 500.00kΩ; 5.0000, 50.000MΩ
Conductance	99.99 nS
Capacitance	50.00; 500.0nF; 5.000, 50.00, 500.0µF, 5.000, 25.00 mF
Frequency	5Hz-200kHz sine wave; 5Hz-2MHz logic level square wave
Temperature Measurement Category	K type, -58°F to 1832°F (-50°C to 1000°C) CAT IV, 1000V

ESM[™] Digital Logging Meter



Amperage Measurement	600.0, 6000μA; 60.00, 600.0mA; 6.000, 10.00A
Resistance	600.0Ω; 6.000, 60.00, 600.0 kΩ; 6.000, 60.00 MΩ
Conductance	99.99nS
Capacitance	60.00, 600.0nF; 6.000, 60.00, 600.0µF; 6.000, 25.00 mF
Frequency	15Hz-50kHz sine wave; 5Hz-1MHz logic level square
	wave
Temperature	K type, -58 to 1832 °F (-50 to 1000 °C)
Measurement Category	CAT IV. 1000V

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GREENLEE

- AC+DC True RMS, 50,000-count display for greater accuracy, 500,000 count available in DC voltage mode
- VFD (variable frequency drive) voltage and frequency functions for accurate readings on noisy drive waveforms
- Beep-Jack[™] audible and visual input alert helps avoid blown fuses or damage to meter
- · 41-segment analog bar graph makes it easy to view quick changes
- Record max, min, avg., and max-min and data hold •
- Crest capture (peak hold) max and min readings •
- Relative offset display mode makes monitoring relative • measurement changes simple
- Performs resistance, conductance, frequency, duty cycle, ٠ temperature and capacitance measurements, plus diode and continuity tests
- Dual temperature measurement up to 1832°F/1000°C using type K • thermocouples
- Bright backlit display is easy to read under any light condition •
- Intelligent Auto Power Off conserves battery life but will not turn • meter off during measurements
- Wide AC bandwidth to 100 kHz for voltage and 20 kHz for current
- USB Interface using optional DMSC-9U cable and software allows connection to a PC for extended measurement capability
- Accessories included: (1) 9V battery, bead temperature probe (400°F/ 204°C max.), test leads, protective boot and carrying case
- Lifetime Limited Warranty

	CAT. NO.	UPC NO.	DESCRIPTION					
Ν	DM-860A	12938	Industrial 500,000-Count Digital Multimeter					
Ν	DM-860A-C*	02069	Industrial 500,000-Count Digital Multimeter					
R	TC-20	07535	Carrying Case (included)					
R	TSG-3	12034	Sure-Grip Test Leads					
R	TPB	07592	Bead Temperature Probe					
A	DMSC-9U	35773	For DM-800A Series and DML-430A Multimeters					
	+ In alizate a On alterate of	0-11						

* Includes Certificate of Calibration

- Datalogging capability stores 87,000 single-channel or 43,000 dual-channel measurements, use optional USB interface DMSC-9U to transfer data to PC or for direct-to-PC logging
- AC+DC True RMS gives accurate readings on complex waveforms
- Low impedance AutoCheck[™] mode automatically selects AC or DC volts, resistance or continuity. Low impedance masks "ghost" voltage pickup
- Backlit LCD displays 2 readings with 10,000 count resolution •
- BeepJack[™] warns when test leads are incorrectly inserted in current measurement terminals
- Measures voltage, current, resistance, conductance, frequency and capacitance
- Checks continuity and tests diodes •
- Two temperature measurements using type K thermocouples •
- Accessories included: (1) 9V battery, bead temperature probe • (400°F / 204°C max.), test leads, protective boot and carrying case
- · Lifetime Limited Warranty

	CAT. NO.	UPC NO.	DESCRIPTION
	DML-430A	08746	Digital Logging Meter (43,000 data points)
	DML-430A-C*	35771*	Digital Logging Meter (43,000 data points)
R	TC-20	07535	Carrying Case (included)
R	TSG-3	12034	Sure-Grip Test Leads
R	TPB	07592	Bead Temperature Probe
	* Includes Certificate of Ca	libration	

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DM-810A

DM-810A features:

- True RMS for no-compromise accuracy
- Measures voltage, current, resistance, capacitance and frequency
 - Tests continuity and diodes
- Backlit LCD with dual 10,000 count displays
- BeepJack[™] warns when test leads are incorrectly inserted in current ٠ measurement terminals
- Automatic and manual range selection
- Relative offset mode to see changes in measurements ٠
- Data hold .

•

- Use optional USB interface DMSC-9U for direct-to-PC logging •
- Lifetime Limited Warranty ٠

DM-820A also features:

- · Crest capture (peak hold) plus recording of max, min, max-min and average
- Two voltage detection modes non-contact or using a single test lead
- One temperature measurement using a type K thermocouple
- Conductance measurement ٠

DM-830A has all DM-810A features plus:

- · AC+DC True RMS gives accurate readings on complex waveforms
- Low impedance AutoCheck[™] mode automatically selects AC or DC volts, resistance or continuity. Low impedance masks "ghost" voltage pickup
- dBm function with 20 selectable reference impedance values
- Crest capture (peak hold) plus recording of max, min, max-min and average
- Two voltage detection modes non-contact or using a single test lead ٠
- Two temperature measurements using type K thermocouples ٠
- Conductance measurement

Accessories included:

(1) 9V battery, bead temperature probe (DM-820A, DM-830A only, 400°F/204°C max), test leads, protective boot and carrying case.

SPECIFICATIONS

Voltage Measurement	60.00, 600.0 mV; 9.999, 99.99, 999.9 V
Amperage Measurement	600.0, 6000µA; 60.00, 600.0mA; 6.000, 10.00A
Resistance	600.0Ω; 6.000, 60.00, 600.0 kΩ; 6.000, 60.00 MΩ
Conductance	99.99nS
Capacitance	60.00, 600.0nF; 6.000, 60.00, 600.0µF; 6.000, 25.00 mF
Frequency	15Hz-50kHz sine wave; 5Hz-1MHz logic level square wave
Temperature	K type, -58 to 1832 °F (-50 to 1000 °C)
Measurement Category	CAT IV. 1000V

	CAT. NO.	UPC NO.	DESCRIPTION		
	DM-830A	08745	Digital Multimeter		
	DM-830A-C*	35770*	Digital Multimeter		
DM-820A 08744 Digital Multimeter					
	DM-820A-C*	35760*	Digital Multimeter		
DM-810A 08743 Digital Multimeter					
DM-810A-C* 35759* Digital Multimeter					
R	TC-20	07535	Carrying Case (included)		
R	TSG-3	12034	Sure-Grip Test Leads		
R	ТРВ	07592	Bead Temperature Probe (included with DM-820A, DM-830A)		
R	DM-820A-C* DM-810A DM-810A-C* TC-20 TSG-3	35760* 08743 35759* 07535 12034	Digital Multimeter Digital Multimeter Digital Multimeter Carrying Case (included) Sure-Grip Test Leads		

* Includes Certificate of Calibration

ESM[™] Series Digital Multimeters





DM-510A





DM-200A

DM-200A features:

- · Measures voltage, current, resistance and frequency
- Tests continuity and diodes
- Backlit LCD with 6,000 count display
- Two voltage detection modes non-contact or using a single test lead
- BeepJack[™] warns when test leads are incorrectly inserted in current measurement terminals
- Automatic and manual range selection
- · Relative offset mode to see changes in measurements
- Data hold
- Use optional USB / RS-232 interface DMSC-2U for direct-to-PC logging
- Lifetime Limited Warranty

DM-210A also features:

- Measures capacitance
- Measures temperature using a type K thermocouple

DM-510A has all DM-200A features plus:

- True RMS for no-compromise accuracy
- Crest capture (peak hold) plus recording of max, min, max-min and average
- Low impedance AutoCheck[™] mode automatically selects AC or DC volts, resistance or continuity and low impedance masks "ghost" voltage pickup
- Measures capacitance
- · Measures temperature using a type K thermocouple

Accessories included:

(2) 1.5V AAA batteries, bead temperature probe (DM-210A, DM-510A only, 400°F/204°C max), test leads and protective boot.

SPECIFICATIONS

Voltage Measurement	60.00, 600.0 mV; 6.000, 60.00, 600.0, 1000V
Amperage Measurement	600.0, 6000µA; 60.00, 600.0mA; 6.000, 8.00A
Resistance	600.0Ω; 6.000, 60.00, 600.0 kΩ; 6.000, 60.00 MΩ
Capacitance	60.00, 600.0nF; 6.000, 60.00, 600.0, 3000µF
Frequency	10Hz-50kHz sine wave; 5Hz-999.9kHz logic level square
	wave
Temperature	K type, -58 to 1832 °F (-50 to 1000 °C)
Measurement Category	CAT IV 300V; CAT III 600V; CAT II 1000V

CAT. NO.	UPC NO.	DESCRIPTION
DM-510A	08742	Professional Plant Digital Multimeter
DM-510A-C*	35758*	Professional Plant Digital Multimeter
DM-210A	08741	Digital Multimeter
DM-210A-C*	35757*	Digital Multimeter
DM-200A	08740	Digital Multimeter
DM-200A-C*	35756*	Digital Multimeter
TSG-3	12034	Sure-Grip Test Leads

* Includes Certificate of Calibration

R

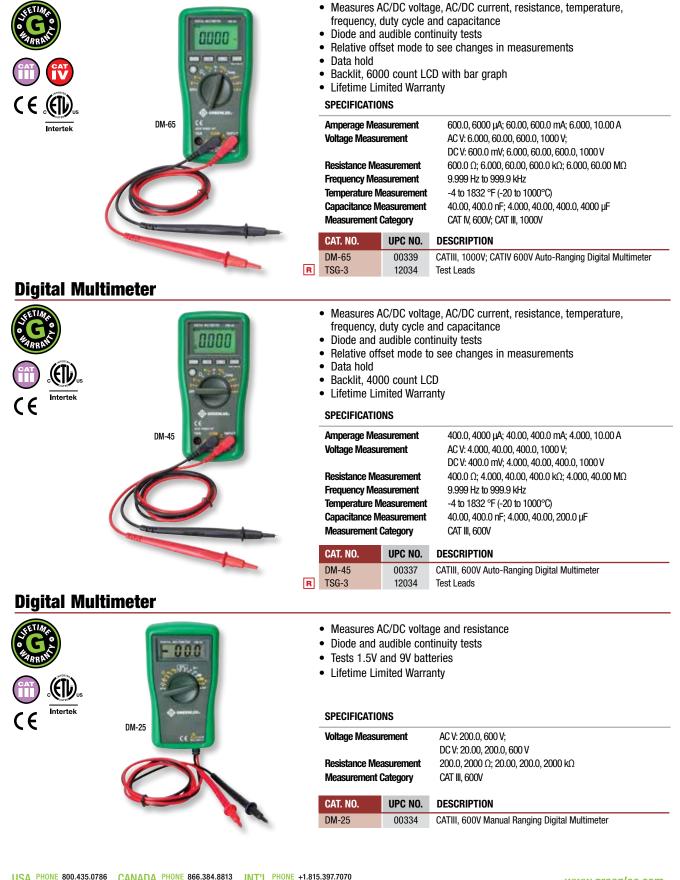
396



B = BARE TOOL



Digital Multimeter



PDMM-20 Pocket Multimeter







Voltage Measurement Resistance Measurement Capacitance Display Measurement Category 6.000, 60.00, 450.0 V 600.0Ω; 6.000, 60.00, 600.0 kΩ; 6.000 MΩ 100.0, 1000 nF; 10.00, 100.0 μF 6000-count LCD CAT II, 450 V; CAT III, 300 V

- · Auto-select mode for hassle-free use
- · Low impedance eliminates stray or "ghost" voltage readings
- AC/DC voltage measurement
- · Hassle-free, automatic measurement of voltage and resistance
- · Autoranging for quick, convenient measurements
- Non-contact voltage detection for identifying live lines without contacting conductors
- Intelligent Auto-Off for longer battery life
- Low battery indicator
- Resistance measurement
- · Audible continuity test
- · Frequency measurement in voltage mode
- Capacitance measurement
- 6000-count LCD for high resolution

UPC NO.

Accessories included: (1) 3 V battery (CR2032) and carrying case

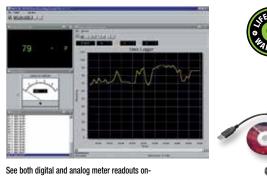
DESCRIPTION

Lifetime Limited Warranty

CAT. NO.

	PDMM-20	11689	Pocket Multimeter
IULTIMETER ACCESS	SND	IEC	
IULIIMEIEN AUUEJJ		IEJ	

Interface Kits



See both digital and analog meter readouts onscreen, plus a large, easy-to-read graph of logged values – in this case, a thermocouple monitoring air temperature in a forced-air furnace duct.



٠	Connects to a PC for data storage and retrieval from Greenlee	
	digital multimeters and clamp meters	

- · Allows retrieval of stored data and real-time logging and graphing
- · Retrieve stored data log from DML-Series
- · Export data to disk for analysis with any spreadsheet
- Lifetime Limited Warranty

SPECIFICATIONS

Software Requirements Hardware Requirements

DMSC-9U

 Windows 7/Vista/XP/2000/NT4 or Windows ME/98/95
 CPU and memory – minimum Windows requirement Monitor – at least 640 x 480, 800 x 600 recommended. Hard disk – at least 500 megabytes free space. Connection – DMSC-9U: free USB port; DMSC-2U: free USB or 9-pin serial port; DMSC-9: free 9-pin serial port.

CAT. NO.	UPC NO.	DESCRIPTION
DMSC-2U	35772	For DM-200 and 200A Series and DM-510A
		Digital Multimeters
DMSC-9U	35773	For DM-800A Series and DML-430A
		Digital Multimeters
DMSC-9	07755	For DM-800 Series, DML-54 and DML-430
		Digital Multimeters
CMSC-1U	02542	For CMI-2000 Clamp Meter

A



CLAMP-ON METERS Clamp-on Meter Comparison Guide

FEATURE	CMGRT-100	CMI-2000	CMH-1000	CMI-1000	CM-1560	CM-1360
True RMS		•	•	•	•	•
DCA (A max)		2000	2500	1000	1000	
Maximum resolution (A)		0.1	0.1	0.1	0.1	
Best accuracy (%)		1.5	1.5	2.0	1.2	
ACA (A max)	30	2000	2100	1000	1000	1000
Maximum resolution (A)	1mA	0.1	0.1	0.1	0.1	0.1
Best accuracy (%)	2.5	1.5	1.5	2.0	1.9	1.9
DCV (V max)		600	600	600	1000	1000
Maximum resolution (V)		0.1	0.1mV	0.1mV	0.1	0.1
Best accuracy (%)		1.5	1.5	0.75	0.7	0.7
ACV (V max)		600	600	600	750	750
Maximum resolution (V)		0.1	0.1mV	0.1mV	0.1	0.1
Best accuracy (%)		1.5	1.5	1.2	1.0	1.0
Resistance (Ω)	1200	1.0	40M	40M	400	400
Maximum resolution (Ω)	0.01		0.1		0.1	0.1
Best accuracy (%)	1.5		1.5	1.0	1.0	1.0
Continuity and beeper	1.5		1.5	•	•	•
Diode test			•	•	•	•
Capacitance		•	•	•	•	•
•		•	•	•	•	•
Frequency	47.000					
Frequency response (Hz)	47-800	40-400	40-1k	40-450	50-500	50-500
Temperature (T1)	1.05	•		•	0.0	1.05
Jaw opening	1.25"	2.17"	2.17"	1.81"	2.0"	1.85"
Dianlay tuna	(32 mm)	(55 mm)	(55 mm)	(46 mm)	(51 mm)	(47 mm)
Display type	Digital	Dual Digital 2	Digital 2	Digital	Digital	Digital 2.5
Display update X/sec	0000			2	2.5	
Count	3000	4000	4000	4000	4000	4000
Analog bar graph segments			40	40	42	42
Analog update X/sec			20	20	13	13
Low battery indicator		•	•	•	•	•
Autoranging	•	•	•	•	•	•
Auto power off	•		•	•	•	•
Peak hold				•	•	•
Data hold	•	•	•	•	•	•
Min, max			•	•	•	•
Data logging		•				
Power factor		•				
True power (kW)		1200				
Apparent Power (kVA)		1200				
Measurement Category	III, 150V	III, 600V	III, 600V	III, 600V	IV, 600V III, 1000V	IV, 600V III, 1000V
UL		•	•	•	•	•
cUL or CSA		•	•	•	•	•
CE		•	•	•	•	•

Clamp-on Meter Comparison Guide

FEATURE	CM-960	CMH-600	CMI-600	CM-860	CM-660	CMT-90	CMT-80	CM-450	CM-410	CM-330
True RMS	•		•			•		•		
DCA (A max)	600	600								
Maximum resolution (A)	0.1	0.1								
Best accuracy (%)	1.2	1.2								
ACA (A max)	600	600	600	600	600	600	400	600	400	400
Maximum resolution (A)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.01
Best accuracy (%)	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.5	1.9	2.0
DCV (V max)	600	600	600	600	600	1000	600	600	600	
Maximum resolution (V)	0.1	0.1	0.1	0.1	1	0.1	0.1	0.1mV	0.1	
Best accuracy (%)	0.7	0.7	0.7	0.7	0.8	1.0	1.0	0.3	1.0	
ACV (V max)	600	600	600	600	600	1000	600	600	600	
Maximum resolution (V)	0.1	0.1	0.1	0.1	1	0.1	0.1	1mV	0.1	
Best accuracy (%)	1.0	1.0	1.0	1.0	1.2	1.5	1.5	1.5	1.5	
Resistance (Ω)	400	400	400	400	2000	2000	2000	40M	20M	
Maximum resolution (Ω)	0.1	0.1	0.1	0.1	1	0.1	1	0.1	0.1	
Best accuracy (%)	1.0	1.0	1.0	1.0	1.5	2.0	2.0	0.6	0.7	
Continuity and beeper	•	•	•	•	•	•	•	•	•	
Diode test						•	•	•		
Capacitance	•	•	•	•						
Frequency	•	•	•	•				•		
Frequency response (Hz)	50-500	50-500	50-400	50-400	40-500	50-500	50-60	50-60	50-500	50-60
Temperature (T1)		•	•							
Jaw opening	1.38" (35 mm)	1.38" (35 mm)	1.34" (34 mm)	1.34" (34 mm)	1.38'' (35 mm)	1.34" (34 mm)	1.06" (27 mm)	1.02'' (26 mm)	1.06" (27 mm)	1.06" (27 mm)
Display type	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
Display update X/sec	2.5	2.5	2.5	2.5	4	1 to 4	1 to 4	3	1.5	2.5
Count	4000	4000	4000	4000	2000	10,000	10,000	4000	2000	2000
Analog bar graph	42 segments	42 segments	42 segments	42 segments						
Analog update X/sec	13	13	13	13						
Low battery indicator	•	•	•	•	•	•	•	•	•	•
Autoranging	•	•	•	•				•	•	
Auto power off	•	•	•	•	•	•	•	•	•	
Peak hold	•	•	•	•						
Data hold	•	•	•	•	•	•	٠	•	٠	•
Min, max	•	•	•	•						max only
Data logging										
Power factor										
True power (kW)										
Apparent Power (kVA)										
Measurement Category	III, 600V	IV, 600V III, 1000V	III, 600V	III, 600V	III, 600V	III, 600V				
UL	•	•	•	•	•	•	•	•	•	•
cUL or CSA	•	•	•	•	•	•	•	•	•	•
CE	•	•	•	•	•					



B = BARE TOOL

Ground Resistance Tester



2000A Industrial Clamp Meter



- Reads ground resistance down to 0.10Ω
- Fully autoranging with data hold to capture readings
- Convenient alarm and 99-point memory functions

UPC NO.

07653

07730*

- Measures up to 30A RMS ground or leakage current
- Measures currents down to 1mA
- Accessories included: (1) 9V battery, molded carrying case and test resistance loop
- Lifetime Limited Warranty

SPECIFICATIONS

Ground Resistance Measurement	0.10 to 1200Ω
Ground/Leakage Current Measurement	299mA; 2.999A, 29.99A
Display	3-3/4-digit LCD, 2999-count
Jaw Opening	1.25" (32 mm)
Measurement Category	CAT III, 150V

DESCRIPTION

Ground Resistance Tester

Ground Resistance Tester

* Includes Certificate of Calibration

CAT. NO.

CMGRT-100

CMGRT-100-C*

- Measures AC+DC current
- AC and AC+DC voltage measurements with selectable digital low pass filter for accurate voltage and frequency readings on variable frequency drives
- Also measures DC voltage, resistance, capacitance, temperature and frequency
- Tests continuity and diodes

SPECIFICATIONS

Amperage Measurement

Voltage Measurement

 Low impedance AutoCheck[™] mode automatically selects AC or DC volts, resistance or continuity. Low impedance masks "ghost" voltage pickup

- Backlight & relative mode for added versatility
- Two voltage detection modes noncontact or using a single test lead
- Computer interface capability using optional CMSC-1U cable and software
 Data hold
- Data noid
- Crest (peak hold) feature captures current or voltage peaks as short as 5 milliseconds
- Lifetime Limited Warranty

Display		LC	D with dual measurements
) to 400 Hz
			600, 6k, 60k, 600k, 6M, 40M Ohms
	Jaw Opening		1" (55 mm)
	Measurement Cate	aorv C/	AT IV 1000V
		J. J	
	CAT. NO.	UPC NO.	DESCRIPTION
	CAT. NO. CMI-2000		DESCRIPTION 2000A Power Clamp
		UPC NO.	

Carrying Case

Interface Kit

07536

02542

200, 2000A AC + DC

6, 60, 600, 1000V AC + DC

* Includes Certificate of Calibration

CANADA PHONE 866.384.8813 FAX 800.524.2853 TC-30

CMSC-1U

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1000A Industrial Clamp Meter







- Measures AC+DC current
- AC and AC+DC voltage measurements with digital low pass filter for accurate readings on variable frequency drives
- Also measures DC voltage, resistance, capacitance and frequency
- Tests continuity and diodes
 - Flashlight inside clamp jaw for easier work in dark locations
- Backlight & relative mode for added versatility

SPECIFICATIONS

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TC-30

60, 600, 1000A AC + DC Amperage Measurement Voltage Measurement 600, 1000V AC + DC Display LCD, 6000 Count Frequency Rating Voltage: 50/60 Hz; Current: 40 to 400 Hz Resistance 600, 6k, 60k 0hms Jaw Opening 2" (51 mm) CAT III 1000V, CAT IV 600V Measurement Category UPC NO. DESCRIPTION CAT. NO. CM-1560 02188 True RMS Clamp Meter CM-1560-C* 02219 True RMS Clamp Meter TSG-3 12034 Test Leads

Carrying Case

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Data hold

G GREENLEE

· Peak-RMS measures motor

AmpTip[™] increases accuracy on

Two voltage detection modes - non-

contact or using a single test lead

Recording of Maximum, Minimum

Crest (peak hold) feature captures

current or voltage peaks as short

AmpTip[™] increases accuracy on

small wires and low current

Two voltage detection modes - non-

contact or using a single test lead

Recording of Maximum, Minimum

and Average readings

• Lifetime Limited Warranty

and Average readings

as 5 millisecondsLifetime Limited Warranty

small wires and low current

inrush current

Data hold

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1000A AC True RMS Clamp Meter



• Measures AC current

* Includes Certificate of Calibration

 AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives

07536

- Also measures DC voltage, resistance, capacitance and frequency
- Tests continuity and diodes
- Flashlight inside clamp jaw for easier work in dark locations
- Backlight & relative mode for added versatility

07536

SPECIFICATIONS

TC-30

Includes Certificate of Calibration

Amperage Measu	ırement	60, 600, 1000A AC
Voltage Measure	ment	600, 1000V AC + DC
Display		LCD, 6000 Count
Frequency Rating	I	Voltage: 50/60 Hz; Current: 40 to 400 Hz
Resistance		60, 6k, 60k Ohms
Jaw Opening		2" (51 mm)
Measurement Category		CAT III 1000V, CAT IV 600V
CAT. NO.	UPC NO.	DESCRIPTION
CM-1360	02190	True RMS Clamp Meter
CM-1360-C*	02221	True RMS Clamp Meter
TSG-3	12034	Test Leads

Carrying Case

600A AC/DC True RMS Clamp Meter



- Measures AC+DC current
- AC and AC+DC voltage measurements with digital low pass filter for accurate readings on variable frequency drives
- Also measures DC voltage, resistance, capacitance and frequency
- Tests continuity and diodes •
- Peak-RMS measures motor • inrush current
- Backlight & relative mode for • added versatility

 AmpTip[™] increases accuracy on small wires and low current

- Two voltage detection modes noncontact or using a single test lead · Data hold
- Recording of Maximum, Minimum and Average readings

AmpTip[™] increases accuracy on

small wires and low current

Two voltage detection modes –

non-contact or using a single

and Average readings

• Lifetime Limited Warranty

Recording of Maximum, Minimum

test lead

Data hold

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Lifetime Limited Warranty

SPECIFICATIONS	
Amperage Measurement	60, 600A AC
Voltage Measurement	600V AC + DC
Display	LCD, 6000 Count
Frequency Rating	Voltage AmpTip [™] Current: 50/60 Hz; High Current: 50 to 400 Hz
Resistance	600, 6k, 60k Ohms
Jaw Opening	1.18" (30 mm)
Measurement Category	Cat III 600V, cat IV 300V

	CAT. NO.	UPC NO.	DESCRIPTION
Ν	CM-960	02210	AC/DC True RMS Clamp Meter
Ν	CM-960-C*	02230	AC/DC True RMS Clamp Meter
R	TSG-3	12034	Test Leads
R	TC-10	07534	Carrying Case

* Includes Certificate of Calibration

600A AC True RMS Clamp Meter



	٠	Measures AC	C current
--	---	-------------	-----------

- · AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives
- Also measures DC voltage, resistance, capacitance and frequency
- · Tests continuity and diodes
- · Backlight & relative mode for added versatility

SPECIFICATIONS

SPECIFICATION	S	
Amperage Measu	irement	60, 600A AC+DC
Voltage Measure	nent	600V AC+DC
Display		LCD, 6000 Count
Frequency Rating	I	Voltage & AmpTip [™] Current: 50/60 Hz; High Current: 50 to 400 Hz
Resistance		600, 6k. 60k Ohms
Jaw Opening		1.18" (30 mm)
Measurement Ca	tegory	CAT III 600V, CAT IV 300V
CAT. NO.	UPC NO.	DESCRIPTION

	CAT. NO.	UPC NO.	DESCRIPTION
Ν	CM-860	02210	True RMS Clamp Meter
Ν	CM-860-C*	02233*	True RMS Clamp Meter
R	TSG-3	12034	Test Leads
R	TC-10	07534	Carrying Case

* Includes Certificate of Calibration



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CANADA PHONE 866.384.8813 FAX 800.524.2853

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B = BARE TOOL

600A AC True RMS Clamp Meter



- Measures AC current
- AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives
- Also measures DC voltage, resistance and frequency
- Tests continuity and diodes

SPECIFICATIONS

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TSG-3

TC-10

Includes Certificate of Calibration

- AmpTip[™] increases accuracy on small wires and low current
- Two voltage detection modes non-contact or using a single test lead
- · Data hold
- Recording of Maximum, Minimum and Average readings

· Backlight & relative mode for

AmpTip[™] increases accuracy on

Two voltage detection modes - non-

contact or using a single test lead

Recording of Maximum, Minimum

Crest (peak hold) feature captures

current or voltage peaks as short as

small wires and low current

and Average readings

Lifetime Limited Warranty

5 milliseconds

added versatility

Data hold

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Lifetime Limited Warranty

SPECIFICATION	19	
Amperage Meas	surement	60, 600A AC
Voltage Measurement		600 Volts AC/DC
Resistance		600, 6k, 60k Ohms
Frequency		Voltage & AmpTip [™] Current: 50/60 Hz; High Current: 50 to 400 Hz
Display		LCD, 6000 Count
Jaw Opening		1.18" (30 mm)
Measurement Category		Cat III 600V, Cat IV 300V
CAT. NO.	UPC NO.	DESCRIPTION
CM-660	02211	Clamp Meter
CM-660-C*	02233*	Clamp Meter

1000A HVAC True RMS Clamp Meter



- Measures AC current and DC micro-amps
- AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives

12034

07534

Test Leads

Carrying Case

- Also measures DC voltage, resistance, capacitance, temperature and frequency
- Tests continuity and diodes
- Phase Sequence & Motor Rotation tests
- Peak-RMS measures motor in rush current
- Flashlight inside clamp jaw for easier work in dark locations

SPECIFICATIONS

Amperage Measurement 60. 600. 1000A AC Voltage Measurement 600, 1000V AC + DC LCD, 6000 Count Display **Frequency Rating** Voltage and AmpTip[™] current: 50/60 Hz; High current: 50 to 400 Hz Resistance 600, 6k, 60k Ohms Jaw Opening 2.0" (51 mm) Measurement Category CAT III 1000V, CAT IV 600V UPC NO. DESCRIPTION CAT NO

	0.41.110.	010100.	
Ν	CMH-1000	02209	AC Clamp-on Meter
Ν	CMH-1000-C*	02231*	AC Clamp-on Meter
R	02714	02714	Test Leads
R	TC-30	07536	Carrying Case

* Includes Certificate of Calibration

CANADA PHONE 866.384.8813 FAX 800.524.2853

600A HVAC True RMS Clamp Meter



True RMS AC Clamp Meter



- · Measures AC current and DC micro-amps
- AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives
- · Also measures DC voltage, resistance, capacitance, temperature and frequency
- Tests continuity and diodes ٠
- Phase Sequence & Motor ٠ Rotation tests

- · Peak-RMS measures motor in rush current
- Backlight & relative mode for • added versatility
- AmpTip[™] increases accuracy on small wires and low current
- Two voltage detection modes non-• contact or using a single test lead
- Data hold •
- Recording of Maximum, Minimum ٠ and Average readings

• Audible continuity and diode tests

· Accessories included: Test leads,

2032; ANSI-NEDA 54004LC)

Lifetime Limited Warranty

Data hold to capture measurement

3V Standard button battery (IEC-CR

• Frequency measurement

4000 count LCD

Lifetime Limited Warranty •

SPECIFICATIONS

400 Hz

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Includes Certificate of Calibration

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- AC amperage, AC/DC voltage measurement
- True RMS for the most accurate ٠ measurement where harmonics are present
- · Quick, easy operation
- Auto power off for longer battery life
- Resistance measurement
- SPECIFICATIONS

Amperage M	easurement	40, 400, 600 A AC
Voltage Meas	surement	4, 40, 400, 600 V AC + DC
Display		LCD, 4000 Count
Resistance		4, 40, 400, 400k, 4, 40M Ohms
Jaw Opening		1.02" (26 mm)
Measuremen	t Category	CAT III, 600V
CAT. NO.	UPC NO.	DESCRIPTION

	CM-450	12726	AC Clamp-on Meter, True RMS
R	TSG-3	12034	Sure-Grip Test Leads
R	TC-5	07588	Carrying Case

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B = BARE TOOL

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AC Clamp-on Meter



- · Measures to 600 volts AC and DC, and 400 amps AC
- Data hold to capture important readings
- Audible continuity test
- Auto power off for longer battery life
- Accessories included: (2) 1.5V AAA batteries, test leads and carrying case
- Lifetime Limited Warranty

SPECIFICATIONS

	00, 400A AC
Veltava Maaauwawawt	
Voltage Measurement 20	00, 600V
Display L(CD, 2000 Count
Resistance 2,	, 20, 200, 200k, 2, 20M Ohms
Jaw Opening 1.	.06" (27 mm)
Measurement Category C/	at III 600V
CAT. NO. UPC NO. DES	CRIPTION
CM-410 73420 AC C	Clamp-on Meter, 400A
00606 00606 Test	Leads
TC-5 07588 Carry	ying Case

Clamp-on Meter



- AC current measuring capability up to 400 amps
- Compact size, fits easily into tool pouch
- · Data hold and Max hold to capture important readings
- 2000-Count LCD
- Lifetime Limited Warranty
- Accessories included: (1) 9V battery and carrying case

Carrying Case

• Lifetime Limited Warranty

07588

SPECIFICATIONS

R TC-5

Amperage Measurement		20, 200, 400A AC
Display		LCD, 2000 Count
Jaw Opening		1.18" (30 mm)
Measurement Category		CAT III, 600V
CAT. NO.	UPC NO.	DESCRIPTION
CM-330	11865	Clampmeter, 400A AC

CIRCUIT TRACING Circuit Tracer Application Guide

FEATURE	CIRCUIT SEEKER CS-8000	CLOSED CIRCUIT 2007
Locate and identify breakers	•	•
Locate and identify fuses	•	•
Locate and identify blown fuses	•	
Trace concealed wiring in walls and floors	•	•
Locate junction box relays and transformers	•	•
Locate switch gear	•	•
Find shorts to ground	•	•
Trace wires in PVC (nonmetallic conduit)	•	•
Find opens in a circuit	•	
Localize power and lighting panels	•	•
Operate on energized circuits	•	•
Operate on low voltage circuits	•	•
Operate on high voltage circuits (600VAC)	•	
Operate on unenergized circuits	•	●1
Trace shielded cable	•	
Trace metal conduit	•2	•
Sort wires and trace coax cable	•	
Auto gain circuitry for improved accuracy	•	
AC voltage range	0-750V	9-300V
DC voltage range	0-750V	9-300V
Distance – receiver from transmitter	300 ft4 mi. ³	3-4 miles
Distance – receiver from transmitter	(915 m-6.5 km)	(4.9 km-6.5 km)
Transmitter battery	(2) AA	_
Receiver battery	(2) AA	9V

1. For circuits without power, hook-up a 9V battery in series with the circuit and transmitter to power the line.

2. Closed circuit applications only.

3. Depends on application – shorter distances for open circuit tracing, longer distances for closed circuit tracing applications.





CS-8000 Circuit Seeker™ Circuit Tracer







Features:

- Advanced patented non-directional sensing technology
- Superior sensitivity and functionality providing for accurate tracing & locating
- Ergonomic receiver with information-rich full-color graphical LCD
- Graphics and audible signal provide quick and easy to understand tracing feedback
- Traces concealed wiring, locates junction boxes, and finds breakers for live or open circuits

G GREENLEE

- Locates and identifies blown fuses
- · Finds shorts and breaks in conductors
- · Low pitch, high volume audible indicator
- User-selectable automatic or manual gain capability for fast, convenient use
- Can be used on GFCI protected circuits
- · Automatic backlight on receiver maximizes battery life
- Supports transmitter-to-receiver distances up to 4 miles for closed circuit tracing
- Lifetime Limited Warranty

SPECIFICATIONS

Capacity	0 to 750V AC/DC	
Frequency	15.15 kHz	
Receiver Range		
	connection to ground; 1-3' (.39 m) with capacitive ground reference	
Weight	4.3 lbs. (1950 g)	

	CAT. NO.	UPC NO.	DESCRIPTION
	CS-8000	12126	Circuit Seeker
R	12849	12849	Transmitter
R	12850	12850	Receiver
R	10057	10057	Alligator Clips (2)
R	10054	10054	AC Blade
R	12852	12852	AC Plug Adapter
R	12853	12853	Extension Leads (2)
R	12851	12851	Carrying Case

Power Finder® Closed Circuit Tracer





- Fast, simple energized circuit tracing
- Traces circuits in nonmetallic conduit
- Finds shorts to ground
- Supports transmitter-to-receiver distances up to 4 miles (6.5 km)
- Accessories included: transmitter plug, (2) receptacle blades, test leads, (1) 9V battery and carrying case
- Lifetime Limited Warranty

SPECIFICATIONS

Capacity	2007 - 9 to 300V AC/DC
Case Size	12" x 8-3/4" x 2" (305 mm x 222 mm x 51 mm)
Weight	2.4 lbs. (1089 g)
Distance	3000 ft 4000 ft. (915m - 1220m)

	CAT. NO.	UPC NO.	DESCRIPTION
	2007	36924	Power Finder Closed Circuit Tracer
R	36925	36925	Receiver*
R	36926	36926	Transmitter*
R	36928	36928	Transmitter Plug*
R	36929	36929	Receptacle Blades (2), AC*
R	36930	36930	Test Lead*
R	36927	36927	Plastic Case*

* 2007 includes these items



LOCATORS Locators Application Guide

FEATURE	BLL-200	501	PE2003	508S	521A
Trace concealed wiring in walls and floors		•		•	
Locate junction box relays and transformers	•				
Locate switch gear	•				
Find shorts to ground			•2		•1
Trace wires in PVC (nonmetallic conduit)	•	•		•	
Find opens in a circuit			•2		•
Localize power and lighting panels	•	•		•	
Operate on energized circuits	•	•		•	
Operate on low voltage circuits	•	•	•	•	
Operate on high voltage circuits (600VAC)	•				
Operate on unenergized circuits	•	•	•	•	•
Trace shielded cable	•	• ³		•3	• ³
Trace buried metal conduit					
Trace coax cable	•	●5		• ⁵	•4
Auto gain circuitry for improved accuracy	•				
AC voltage range	0-600V	0-240V	0-240V	0-240V	0-120V
DC voltage range	0-300V	0-500V	0-400V	0-500V	0-250V
Distance-receiver from transmitter	5,000 ft.	•7	5000 ft.	1000 ft.	•6
Transmitter battery	(4) AA	(8) AA	12V rechargeable	(1) 9V	(8) D
Receiver battery	(4) AA	(1) 9V	(1) 9V	(1) 9V	(1) 9V

1. 10,000 ohms and less-both ends isolated from grounds.

2. Does not locate the path-has to be predetermined and only in direct burial applications; 5,000,000 and less.

3. Transmitter connected to metallic shield.

4. Will trace coax providing the bond is in place at the remote end-will disrupt service.

5. No sorting (high RF bleeds) can trace coax if transmitter connected to braid.

6. Low frequency locators need a "path to earth" (dirt), 5000 ft. on an open conductor and 2500 ft. on a metallic pipe at 3 ft. deep.

7. Direct Connection 4,000 ft at 7 ft deep Inductive Coupler 1,000 ft at 3 ft deep Inductive Antenna 700 ft at 3 ft deep

TESTING & MEASUREMENT

BURIED FACILITY LOCATION AND MARKING **Tracker II**



for use in high-traffic areas or other noisy environments.

R R R R

CAT. NO.	UPC NO.	DESCRIPTION
501	08662	Tracker II
501T	60353	Transmitter
501R	60352	Receiver
IC1	60354	Inductive Clamp
CS16	60355	Transmitter Cord Set
500CA	60351	Case with Antenna

- Traces the path and determines the depth of wires and metallic pipes on active or dead systems without having to deactivate the system
- Lightweight receiver provides audible and visual indications of signal strength
- Transmitter output and receiver sensitivity are fully adjustable for maximum accuracy •
- Transmitter offers three methods of connection: direct, inductive coupler and • inductive antenna
- Includes transmitter assembly, receiver assembly, inductive coupler (clamp), built-in inductive antenna, two 8' (2.4 m) test leads with heavy-duty alligator clips and durable polyethylene case
- High frequency transmitter provides range up to 4,000' (1,219 m) and depths up to 7' (2 m)
- Receiver is 32" long (813 mm) ٠
- Battery operated (eight AA and one 9V battery is included) •
- Molded carrying case included •

SPECIFICATIONS

Power Requirements	Transmitter – (8) AA batteries; Receiver – (1) 9V battery
Battery Life	Transmitter – 30 hours nominal; Receiver – 10 hours nominal
Transmitter Frequency	447.5kHz
Transmitter Power	40Vp-p (140mW) maximum
Voltage Protection	240VAC/500VDC
Automatic Shut Off	90 Min. Transmitter and Receiver
Construction	Transmitter/Receiver – powder coated aluminum
	Case – vacuum formed polyethylene
Dimensions	Transmitter – 4.25" x 3" x 3.25" (108 x 76.2 x 82.6 mm)
	Receiver – 32" x 2.75" x 4" (812.8 x 69.9 x 101.6 mm)
	Case – 33.5" x 8.25" x 3.75" (850.9 x 209.6 x 95.3 mm)
Weight	6.7 lbs. complete kit (3.04 kg)

Buried Line Locator

 LED and LCD signal strength indicators make it quick and eas exact line location Lightweight and ergonomically balanced 	y to find
 Automatic signal boost makes it easy to trace lines, even thos very weak signals Receiver may be used in active or passive mode Receiver locates multiple passive frequencies with a single se Receiver automatically locks out passive range when it detects signal, reducing the chance of tracing other lines carrying weat Microprocessor-based circuitry delivers increased accuracy ar auto-gain control in all environments Traces 20' (6 m) underground and provides depth readings up Transmitter can be connected to live lines up to 600V Molded carrying case included Lifetime Limited Warranty 	tting s a transmitter ker signals d features
BLL-200 07796 Buried Line Locator Transmitter Receiver	
Operating Voltage 0-600VAC, Depth Range Measures: 0-300 VDC Traces:	0-15 ft 0-20 ft.
Current 13mA (open line) Depth Resolution 0.1 ft. incremander 150mA (live or shorted line) Passive Trace Frequency - 12Hz-24kl	
Frequency 33.3kHz Operating Temperature 0°F to 120°	=
Operating Temperature 0°F to 120°F (-17°C to 50	°C)
(-17°C to 50°C) Size 4.1" x 8.5"	
	x 215.9 mm x 965.2 mn
(190.5 mm x 101.6 mm x 53 mm) Power 6 VDC (4 AA	,
Power 6 VDC (4 AA batteries) Weight 1 lb. 12 oz.	794 g)
Weight 15 oz. (425 g)	
(with batteries and clamp)	

412



USA PHONE 800.435.0786 FAX 800.451.2632

CANADA PHONE 866.384.8813 FAX 800.524.2853

A = ACCESSORY

Pulser Fault Locator



DESCRIPTION

Transmitter (Includes CH1 & CH2)

Battery, Replacement (12V 2.5 Ah)

Pulser

Receiver

A-Frame

AC Charger

DC Charger

 Identifies the exact location of even the smallest breaks in insula 	tion
by "pulsing" a high-voltage signal that radiates into the earth at	the
location of the faults	

- With the A-frame mounted receiver, a visual analog meter points the way to the source of the voltage
- Multiple faults on a single wire can be identified indicating the need to replace instead of repair
- Extra-long test leads feature heavy-duty alligator clips for use on multiple cable types
- Includes a rechargeable transmitter, receiver, A-frame, ground stake, 120V charger and a 12V DC (cigarette lighter) adapter
- · Battery operated (one 12V and one 9V battery are included)
- Molded carrying case included

SPECIFICATIONS

Power Requirements	Transmitter: (1) 12V rechargeable battery
	Receiver: (1) 9V battery
Battery Life	Transmitter: 23 hours per charge; Receiver: 200 hours
Transmitter Power	2400VDC peak
Voltage Protection	240VAC/400VDC
 Construction	Transmitter – aluminum housing in polyethylene case
	Receiver – powder coated aluminum
Dimensions	Transmitter – 17" x 8.5" x 6.5" (421 mm x 215 mm x 160 mm) in case
	Receiver – 33.5" x 21.75" x 3.25" (840 mm x 550 mm x 8 mm) on A-Frame
Weight	12.5 lbs. (5.7 kg) complete

Wire Finder/Mini Locator

UPC NO.

08666

60357

60358

60482

60360

60361

66216

CAT. NO.

PE2003

2000H

2000R

59F0002

R

R

R AF2

R CH1

R CH2

R



	CAT. NO.	UPC. NO	DESCRIPTION
	508S	08678	Wire Finder/Mini Locator
R	508ST	60363	Transmitter
R	508SR	60364	Receiver
R	CS14	60366	Alligator Clip Cord set
R	CS15	60367	AC Outlet Cord set

- Traces energized or non-energized wires in walls and drop ceilings
- Provides reliable results on buried cables to depths of 3' (1 m) and lengths up to 1000' (308 m)
- · Determines the approximate depth of the wire before digging
- · Compact design and easy-to-understand operations
- Fully adjustable transmitter and receiver for accurate locating
- Quick change test leads for use in any industry, even international power outlets
- · Voltage protection to allow use on live AC circuits
- · Automatic shut-off to prevent accidental battery discharge
- Housed in a durable, molded carrying case with a quick reference operation guide on the inside of the lid
- Battery-operated: (2) 9V batteries included

SPECIFICATIONS

Power Requirements	(1) 9V each (transmitter and receiver, included)
Battery Life	Transmitter 35 hours nominal; Receiver 20 hours nominal
Transmitter Frequency	447.5kHz
Transmitter Power	9Vp-p (11mW)
Voltage Protection	240VAC/500VDC
Construction	Transmitter/Receiver – high-impact ABS plastic,
	Case – vacuum-formed polyethylene
Dimensions	Transmitter – 4" x 2.3" x 1" (101.6 x 58.4 x 25.4 mm),
	Receiver – 6" x 2.35" x 1" (152.4 x 59.7 x 25.4 mm),
	Case – 9.5" x 8" x 3"(241.3 x 203.2 x 76.2 mm)
Weight	2.6 lbs. (1.2 kg)
-	

Wire and Valve Locator



	CAT. NO.	UPC NO.	DESCRIPTION
	521A	86788	Wire and Valve Locator
R	521A-R	12623	Receiver
R	HS-1	08695	Headset

- Adjustable transmit power allows you to select the best signal for maximum performance
- Transmitter's high power output offers extended range and use on higher resistance wire paths that other locators can't touch
- Receiver provides both audible and visual indications of signal strength
- Lightweight receiver wand makes it easy for you to move along quickly to locate even the longest wire path
- Rugged headphones block ambient noise and improve "feel" for the signal
- Includes transmitter, receiver, headset, ground stake and complete instructions

Transmitter: (8) "D" Cell;

• Battery-operated: (8) "D" Cells and (1) 9V

SPECIFICATIONS	
Power Requirements	

Battery Life
Transmitter Frequency
Transmitter Power
Voltage Protection
Construction
Case Dimensions
Weight

Receiver: (1) 9V battery Transmitter: 50 hours nominal Receiver: 100 hours nominal 1748Hz 750Vp-p 285Vms 120VAC/250VDC Powder-coated aluminum housing in polyethylene case 33.5" x 8.25" x 3.75" 12 lbs. complete

Station Master[™] Pro



- Troubleshoot irrigation systems
- Activate and cycle solenoids
- Test solenoids for continuity
- Send tone to identify wires
- Measure clock voltage
- Low battery indication
- Easy-to-understand LEDs
- Test leads with "Bed-of-Nails" and piercing Pin Clips
- 1-year limited warranty

SPECIFICATIONS

24BK

700C

SINCE

1862

Minimum Voltage for Clock LED			15 VAC (LED intensity increases as voltage increases)
Minimum Battery while Testing		Testing	10.5 VDC
Maximum II	nput Voltage	between	28 VAC
Test Leads			
Solenoid Cir	cuit Recharg	e Time	2.5 seconds
Maximum D)istance Rang	ge to	12 AWG Loop 3000-13000 feet
Activate one	e Solenoid		14 AWG Loop 2000-8500 feet
			18 AWG Loop 500-3000 feet
Power Source			9V alkaline batteries
Battery Life			3 hours continuous
Operating/Storage Temp.			32°F - 122°F (0° - 50°C)
OAT NO		DEOODI	RTION
CAT. NO.	UPC NO.	DESCRI	PHUN
24B	86786	Station N	Aaster Pro

Station Master Pro Kit

Carrying Case

(G)

GREENLEE

86787

08683

66 CANADA PHONE 866.384.8813 FAX 800.524.2853 ŰŲĮ

LISTED

BASIC ELECTRICAL KITS

Basic Electrical Kit







DM-25

- Use to measure voltage and check 1.5V and 9V batteries
- AC/DC voltage measurement
- · Built-in test leads, no loose parts to lose
- Resistance measurement
- · Audible continuity and diode tests
- Lifetime Limited Warranty

SPECIFICATIONS

Voltage Measurement	AC V: 200.0, 600V; DC V: 20.00, 200.0, 600V
Resistance Measurement	200.0, 2000 Ω; 20.00, 200.0, 2000 kΩ
Display Counts	2000
Measurement Category	Cat III, 600V

GT-11

LISTED

Intertel

- US Safe, non-contact voltage detection
 - · Bright LED and audible alarm sound if voltage is present
 - On/Off switch for longer battery life
 - Convenient pen-size device easily fits into pockets or tool pouches
 - Use to detect voltage in outlets, lighting fixtures, circuit breakers, wires and cables or to find a break in a wire
 - Lifetime Limited Warranty

SPECIFICATIONS

Voltage Detection	50 - 1000 VAC
Frequency	50-500 HZ
Measurement Category	CAT IV, 1000 VAC

GT-10 and GT-10GFI

- US Use to trouble shoot 120V AC grounded outlets
 - Light sequence indicates correct or incorrect
 - GT-10GFI also tests GFCI receptacles
 - Lifetime Limited Warranty

SPECIFICATIONS

Voltage Detection	
Listed	

120V AC

UL 1436

CAT. NO.	UPC NO.	DESCRIPTION
TK-30A	00880	Electrical Kit, Basic
TK-30AGFI	01575	Electrical Kit, GFCI

CIRCUIT VERIFYING Polarity Cubes



GT-10

- Use to troubleshoot 120V AC grounded outlets
- Light sequence indicates correct/incorrect wiring
- Lifetime Limited Warranty

GT-10GFI

- Use to troubleshoot 120V AC grounded outlets and test GFCI receptacles
- Light sequence indicates correct/incorrect wiring
- Lifetime Limited Warranty

CAT. NO.	UPC NO.	DESCRIPTION
GT-10	12124	Cube, Polarity
GT-10GFI	12125	Tester, Circuit GFI

GFCI and Circuit Tester



- Allows instant testing of GFCI receptacles or GFCI circuit breaker protected circuits
- Checks 120VAC grounded outlets for correct/incorrect wiring
- LED indicators signal correct wiring, open ground, open neutral, open hot, hot/ground reversed and hot/neutral reversed
- Lifetime Limited Warranty

SPECIFICATIONS

Capacity	120VAC, 3-wire systems
Time	4-second interval between mA test impulses;
	200 ms pulse duration
Size	5-3/8" x 2-5/8" x 1-3/4" (137 mm x 67 mm x 44 mm)
Cord length	16" (406 mm)
Weight	0.5 lb. (227g)
Accuracy	Current: 10% at nominal voltage; Time: approx. 12%
Measurement Category	CAT II, 150V
•••	

GFCI and Circuit Tester

CAT. NO. UPC NO. DESCRIPTION

5708345235708-C*07640*

5708-C* 07640* GFCI and Circuit Tester
* Includes Certificate of Calibration





INSULATION TESTING Insulation Testing Comparison Chart

FEATURE		5990	5882	5880
Test voltage	250V		•	
	500V	•	•	•
	1000V	•	•	•
	2500V	•		
	5000V	•		
Range	250V		50k-2000MΩ	
	500V	500k-500GΩ	100k-2000MΩ	100k-2000MΩ
	1000V	700k-500GΩ	200k-2000MΩ	200k-2000MΩ
	2500V	5M-500GΩ		
	5000V	20M-500GΩ		
Continuity			0-20Ω	0-20Ω
Resistance			0-400κΩ	0-400kΩ
Display type		Analog	Digital	Digital
Backlit			•	•
Count			4000	4000
Analog bar graph			•	•
Measurement Catego	ory	III, 600V	II, 300V	II, 300V
UL			•	•
CE		•	•	•

5kV Megohmmeter



Digital/Analog Megohmmeter









5882

5880 features:

- Auto-ranging AC/DC default voltmeter with test inhibitor and warnings for enhanced user safety
- Extra-large digital display with backlight and analog bar graph
- Weather resistant against dust and water to IP44
- Multiple test voltage ranges
- Measure up to $2000M\Omega$ resistance
- Accessories included: (6) 1.5V AA batteries, test leads and case
- Lifetime Limited Warranty

5882 adds:

- Tests three voltage ranges: 250, 500 and 1000V
- Timer function for dielectric absorption and polarization index measurements

5883 (optional accessory):

· Remote probe, pushbutton and flashlight for added convenience

SPECIFICATIONS

Insulation Tests	
Test Voltage	5882: 250, 500, 1000V
	5880: 500, 1000V
Range	250V: 50k – 2000MΩ
	500V: 100k – 2000MΩ
	1000V: 200k – 2000MΩ
Automatic Discharge	1.5 sec/μF, 300 KΩ impedance
Continuity Range	0-20Ω
Resistance Range	0-400kΩ
Voltage Test Range	0-600V AC/DC
Display	4000-count, backlit 34-segment analog bar graph
Measurement Category	Cat II, 300V

CAT. NO. UPC NO. DESCRIPTION

5882	07573	Digita
5882-C*	07639*	Digital
5880	07572	Digita
5880-C*	07638*	Digita
5883	07591	Remo
87073	87073	Test L

al/Analog Megohmmeter al/Analog Megohmmeter I/Analog Megohmmeter al/Analog Megohmmeter ote Probe ead Kit

* Includes Certificate of Calibration

A R





PHASE SEQUENCE Phase Sequence Indicator



- Identifies L1, L2, L3 phases and indicates phase rotation before installation
- Clockwise and counterclockwise indication via neon lamps
- · Lifetime Limited Warranty

SPECIFICATIONS

Live Phase Indicators Motor Rotation Indicators Measurement Category		
CAT. NO.	UPC NO.	DESCRIPTION
5702	07574	Phase Sequence Indicator

GREENLEE

INFRARED THERMOMETER

TG-1000 & TG-2000 Infrared Thermometers



Both TG-1000 and TG-2000 offer:

- Safe, non-contact temperature measurement
- · Display temperatures in either Fahrenheit or Celsius
- Adjustable emissivity for optimum temperature reading accuracy on a wide range of materials and surfaces
- Min, Max, Difference and Average temperature functions
- Backlit display for easy readings in any environment

TG-1000 Features:

Laser spot indicator showing approximate center of target measurement area

TG-2000 Features

- Wider Temperature range
- Higher distance-to-spot (D:S) Ratio for measuring smaller targets or at greater distances
- Dual lasers indicate approximate diameter of target measurement area

SPECIFICATIONS	TG-1000	TG-2000
Range – °F	-76 ~ 1022	-76 ~ 1157
Range – °C	-60 ~ 500	-60 ~ 625
D:S Ratio	12:1	16:1
Laser	•	Dual
K-Type Contact		•
Emissivity	.10 ~ 1.00	.10 ~ 1.00
Backlight	•	•
Alarms	Hi/Low	Hi/Low

CAT. NO.	UPC NO.	DESCRIPTION
TG-1000	00103	Infrared Thermometer
TG-2000	00104	Dual Laser Infrared Thermometer

Bead Temperature Probe



- · For surface and air/gas temperature measurement
- Not suitable for liquids
- Measurement range: -40°F to 399°F (-40°C to 204°C)
- Probe length: 39.4" ±0.2" (1 m ±5 mm)
- Type K thermocouple
- Lifetime Limited Warranty

CAT. NO.	UPC NO.	DESCRIPTION
TPB	07592	Bead Temperature Probe

SPECIALTY TESTERS

Sound Level Meter





- Noise measurement adapted to dB(A) weighting
- Compact and light, easy to take to any site
- Accessories included: (1) 9V battery
- Lifetime Limited Warranty

SPECIFICATIONS

Capacity	Low – 35 to 80dB; High – 75 to 120dB
Audible Range	"A" Scale
Frequency	20-20,000Hz
Weight	8 oz. (227g)
Size	6-3/8" x 2-1/2" x 1-1/2" (162 mm x 64 mm x 38 mm)

CAT. NO. UPC NO. DESCRIPTION

93-20 34451 Sound Level Meter





B = BARE TOOL

Digital Light Meter



٠	Measures incandescent, fluorescent, metal halide, high-pressure sodium
	and halogen lamp output

- · Color and cosine-corrected for enhanced accuracy
- Measures up to 50,000 lux
- Peak and data hold means no lost measurements
- Accessories included: (1) 9V battery and carrying case
- Lifetime Limited Warranty

SPECIFICATIONS

Ranges								
Foot Candles		0.01-5,000Fc (20/200/2,000/5,000)						
Lux		0.1-50,000 lux (200/2,000/20,000/50,000)						
Accuracy								
Incandescent Li	ght Source	± 4%						
Other Light Sou	rces	± 7%						
Temperature Ra	nge	0° to 40° C (32° to 104° F)						
Sampling Rate		2.5 times per second						
CAT. NO.	UPC NO.	DESCRIPTION						
93-172 06060		Digital Light Meter						
93-172-C* 07084*		Digital Light Meter						

Carrying Case

Sensor Case

Sensor

06083 06083 * includes Certificate of Calibration

06200

06061

R R

R

Gas Lamp Tester



- Test most fluorescent lamps, low pressure sodium vapor, high pressure sodium discharge lamps, neon tubes, mercury vapor and metal halide lamps
- · Checks starters, resistors, ignitors, capacitors and photo cells
- · Indicates AC/DC voltage and continuity

06200

06061

- Includes detachable antenna, batteries, leads, probes, clamps and holster
- Lifetime Limited Warranty

SPECIFICATIONS

Capacity	Voltage – up to 500 VAC & VDC; Continuity – to 300k Ω
Size	6" x 2-3/4" x 1-3/4" (152 x 70 x 45 mm); Antenna – 27" (686 mm)
Weight	2.4 lbs. (1.1 kg)
Batteries	2–9V, included

	CAT. NO.	UPC NO.	DESCRIPTION
	5715	34529	Gas Lamp Tester
R	5713	34528	Holster
R	5710	34525	Antenna
R	5786	34574	Small Alligator Clamps (2)
R	5783	34556	Push-on Probes (2)

Lamp Tester



- Tests HID and fluorescent lamps
- Live conductor sensing
- Compact, rugged housing with carrying case (included)
- Accessories included: (1) 9V Battery and carrying case
- Lifetime Limited Warranty

SPECIFICATIONS

Live Conductor Indication
Continuity Verification
Lamp Tester Voltage
Measurement Category

60-250VAC, 40-60Hz 0-5MΩ (test current: <7μA) 3kV/160kHz (test current:<200μA) CAT II. 250V

CAT. NO. UPC NO. DESCRIPTION

LT-100 07541 TC-10 07534 Lamp Tester Deluxe Carrying Case (included)

ACCESSORIES



- 39" (1 m) long flexible silicon insulated wire
- Right-angle meter plugs
- Comfort-grip overmolded probes
- · Gold plated tips for low contact resistance
- · Set of 2 leads, one black and one red
- Measurement Category IV, 1000V per UL-61010
- Maximum current 10 amps
- Lifetime Limited Warranty

UPC NO. DESCRIPTION

TSG-3 12034 Sure-Grip Test Leads

CAT. NO.

93-30 Line Splitter (NEMA 5-15)



- For use with all models of clamp-on meters
- · Splits lines for independent testing with clamp-on meter
- Lifetime Limited Warranty

SPECIFICATIONS

Size Weight	4-5/8" x 1-3/4" (118 mm x 45 mm) 0.1 lb. (45g)						
CAT. NO.	UPC NO.	DESCRIPTION					
93-30	34452	93-30 Line Splitter (NEMA-5-15)					



G

GREENLEE

SINCE

1862

B = BARE TOOL



Deluxe Carrying Case



- Durable nylon carrying case
- Inside pocket for test leads
- · With carry strap and double-stitched belt loop
- · Lifetime Limited Warranty

SPECIFICATIONS

Size	7-3/4" x 3" x 1-1/2" (196.9 mm x 76.2 mm x 38.1 n						
CAT. NO.	UPC NO.	DESCRIPTION					
TC-5	07588	Deluxe Carrying Case					

Deluxe Carrying Case



Deluxe Carrying Case



- Durable nylon carrying case
- Inside pocket for test leads
- · With carry strap and double-stitched belt loop
- Lifetime Limited Warranty

SPECIFICATIONS

Size 9-3/8" x 3-1/2" x 2" (240 mm x 90 mm x 50 mm) CAT_NOUPC NODESCRIPTION					
CAT. NO.	UPC NO.	DESCRIPTION			
TC-10	07534	Deluxe Carrying Case			

- Durable nylon carrying case
- · Inside pocket for test leads
- · With carry strap and double-stitched belt loop
- Lifetime Limited Warranty

SPECIFICATIONS

Size	11-1/4" x 3" x 2" (285.8 mm x 76.2 mm x 50.8 mm)						
CAT. NO.	UPC NO.	DESCRIPTION					
TC-15	07595	Deluxe Carrying Case					

Deluxe Carrying Case



•	Durable	nylon	carrying	case

- Inside pocket for test leads
- · With carry strap and double-stitched belt loop
- Lifetime Limited Warranty

SPECIFICATIONS

Size	11-1	11-1/4" x 4-1/2" x 2 1/8" (285 mm x 115 mm x 55 mm)						
CAT. NO.	UPC NO.	DESCRIPTION						
TC-30	07536	Deluxe Carrying Case						

Deluxe Carrying Case



- Durable nylon carrying case
- Inside pocket for test leads
- With carry strap and double-stitched belt loop
- Lifetime Limited Warranty

SPECIFICATIONS

Size	7-3/4" x 6-1/4" x 2" (196.9 mm x 158.8 x 50.8 mm)						
CAT. NO.	UPC NO.	DESCRIPTION					
TC-20	07535	Deluxe Carrying Case					





Fuse Selection Guide

SUITABLE FUSES	Bussman GDA-160mA Littelfuse 216.160	Bussman GDA-315mA Littelfuse 216.315	Bussman KTK-4/10 Littlefuse BLS-4/10	Bussman DMM-B-44/100 Littlefuse FLU .44 Ferraz FSM44/100	Bussman GDA-500mA Littelfuse 216.500	Ferraz 500V FA 0.63A 6,3x32 Siba 189 020.0.630	Ferraz 660V FA 0,63A 6,3x32	Bussman AGC-10	Bussman KTK-10 Littelfuse KLK-10	Bussman DMM-B-11-A Littelfuse FLU011 Ferraz FSM11	Ferraz 500V FA 12,5A 6,3x32 Siba 189 020.12.5	Bussman KTK-15 Littelfuse KLK-15
AM-6					•							
DM-45			•						•			
DM-65				•						•		
DM-200						•					•	
DM-200A						•			•			
DM-210						•					•	
DM-210A						•			•			
DM-310												•
DM-330												•
DM-350												•
DM-500												•
DM-510	•											•
DM-510A						•			•			
DM-800				•						•		
DM-810				•						•		
DM-810A				•						•		
DM-820				•						•		
DM-820A				•						•		
DM-830A				•						•		
DM-860				•						•		
DM-860A				•						•		
DML-430				•						•		
DML-430A				•						•		
DML-54				•						•		
5878							•					
5880							•					
5882							•					
FUSE RATINGS												
AMPERAGE	160 mA	315 mA	400 mA	0.44A	500 mA	0.63 A	0.63 A	10 A	10 A	11 A	12.5 A	15 A
VOLTAGE	250V	250V	600V	1000V	250V	500V	660V	250V	600V	1000V	500V	600V
INTERRUPTING RATING (AMPS)	1,500	1,500	10,000	10,000	1,500	150,000	30,000	200	100,000	10,000	20,000	100,000

SOFTWARE COMPATIBILITY									
	DMSC-2U	DMSC-9U	DMSC-9	CMSC-1U					
DM-200	•								
DM-200A	•								
DM-210	•								
DM-210A	•								
DM-510A	•								
DM-800			•						
DM-810			•						
DM-810A		•							
DM-820			•						
DM-820A		•							
DM-830A		•							
DML-54			•						
DML-430			•						
DML-430A		•							
CMI-2000				•					

Instrument Case Compatibility

CASE CATALOG NO.	TC-5	TC-10	TC-20	TC-28	TC-30	TC-40	TC-50	TC-55
CASE UPC NO.	07588	07534	07535	07715	07536	19216	07746	07747
CM-330	•							
CM-410	•							
CM-450	•							
CM-600 Series		•						
CM-800 Series		•						
CM-900 Series		•						
CM-1300 Series					•			
CM-1500 Series					•			
CMA-40	•							
CMA-60		•						
CMAF Series			•	•				
CMI-100					•		•	
CMI-200					•			•
CMP-200					•			•
CMT-80	•							
CMT-90		•						
CSJ-100	•							
DM-25						•		
DM-45			•					
DM-65			•					
DM-200 Series			•			•		
DM-300 Series			•			•		
DM-500 Series			•			•		
DM-800 Series			•	•				
DML Series			•	•				
GT-65	•							
GT-95	•							
GT-220	-		•			•		
GT-540			•			•		
LT-100		•	-			-		
2010		•						
5702		-	•					
5708		•	-			•		
5779		-	•			-		
0119			•					





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