



GREENLEE®

A Tectron Company

ESM™ Series DIGITAL MULTIMETERS



**Enhanced Smart Meter™
Series Digital Multimeters**

featuring





GREENLEE®

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DML-430A



DM-810A

DM-820A



DM-200A



DM-210A

featuring



ENHANCED SMART

ESM™ Series Digital Multimeters

Combining function and safety for the most demanding electrical testing applications.

When it comes to electrical test and measurement, Greenlee provides the tools that get the job done! We have taken our already successful line of digital multimeters and combined them with the latest advances in microchip technology, to create the new ESM™ Series of digital multimeters for professional electricians.

You'll find that we focused heavily on increased user safety, product functionality and an enhanced user interface in response to what our customers demand in a digital multimeter – whether it's our entry-level 6000 count DM-200A, or our top-of-the-line DML-430A dual-display logging meter.

Key features found on our entire series include BEEP-JACK™ technology that guards against improper test lead plug-in, and a bright backlight for operating in dark spaces. All meters have PC interface capabilities for recording project readings when needed. Upgraded functions on specific models include True RMS, single or dual-channel temperature measurement, non-contact and single-probe voltage detection, data-logging and AutoCHECK™ mode. AutoCHECK™ automatically selects AC volts, DC volts or resistance and features low input impedance to eliminate “ghost voltage” pickups.

Greenlee's new ESM™ Series of digital multimeters, ranging from CAT IV 300V to CAT IV 1000V, can ensure the necessary task of accurate electrical test and measurement. And as part of our test and measurement product line, the Greenlee ESM™ Series are UL listed, meet the latest industry safety standards and are backed by a lifetime limited warranty.



DM-830A

DM-510A

RTI METER™ SERIES



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Dual Digital Display

Simultaneously View Relevant Parameters in Complementary Display

Auto & Manual-Ranging

Auto-Ranging with Manual Ranging Override

EF-Detection

Both Non-Contact (NCV) & Single-Probe Voltage Detection for Identifying Live Lines (DM-820A and DM-830A)

PC Interface Capability

Optional USB Cable with Data Recording PC Software for WIN98/NT4/XP/VISTA

AutoCHECK™ Feature

Automatic Selection of AC Volts, DC Volts or Resistance with Low Impedance for Ghost-Voltage Elimination (DML-430A and DM-830A)

BEEP-JACK™ Audible & Visible Warning

Guards Against Improper A- and mA-terminal Plug In to Decrease Risk of Damage



800A Series and Data-Logging Multimeter



DML-430A



DM-830A

The most robust hand-held devices on the market for CAT IV 1000V.

The DML-430A, our top-of-the-line dual-display logging meter, heads up Greenlee's 800A Series multimeters. However, each is packed with functions you can rely on to get the job done, such as AutoCHECK™, NCV EF-Detection, Ghost-Voltage Elimination, audible and visible alerts and a high-resolution display. With standard features like these, you can be sure there is a Greenlee multimeter that meets the needs of any job. Use the chart below to select the model that meets the needs of your jobs.

Each multimeter in the 800A Series includes a durable carrying case for meter storage and protection. If tracking, organizing and storing jobsite data measurements is critical, then complete your purchase with our PC interface software.

FEATURES	DM-810A	DM-820A	DM-830A	DML-430A	FEATURES	DM-810A	DM-820A	DM-830A	DML-430A
Data Logging				✓	Auto Power Off	✓	✓	✓	✓
AutoCHECK™			✓	✓	Auto and manual ranging	✓	✓	✓	✓
Low impedance mode			✓	✓	Data Hold	✓	✓	✓	✓
Temperature Inputs		1	2	2	Relative offset mode (Δ)	✓	✓	✓	✓
Voltage Detection		✓	✓		Continuity and beeper	✓	✓	✓	✓
Peak (Crest) Hold, Min/Max		✓	✓	✓	Diode test	✓	✓	✓	✓
Conductance		✓	✓	✓	Capacitance	✓	✓	✓	✓
Max/Min/Avg		✓	✓	Max/Min	Frequency	✓	✓	✓	✓
True RMS	✓	✓	AC+DC	AC+DC	Measurement Category Rating	CAT IV 1000V			
BEEP-JACK™	✓	✓	✓	✓	Display counts	10,000			
Dual digital display	✓	✓	✓	✓	Resistance	600Ω to 60MΩ			
Display backlight	✓	✓	✓	✓	Amperage	600mA to 10A AC/DC			
Analog bar graph	✓	✓	✓	✓	Voltage	60mV to 1,000V AC/DC			
Computer Interface capability	✓	✓	✓	✓					



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Auto & Manual Ranging

Auto Ranging with Manual Ranging Override

Backlight 6000 Count

LCD Display - Fast Nominal Update Rate of 5 Readings Per Second

EF-Detection - Both Non-Contact (NCV) & Single-Probe Voltage Detection for Identifying Live Lines

AutoCHECK™ Feature

Automatic Selection of AC Volts, DC Volts or Resistance with Low Impedance for Ghost-Voltage Elimination (DM-510A)

BEEP-JACK™ Audible & Visible Warning

Guards Against Improper A- and mA-terminal Plug In to Decrease Risk of Damage

PC Interface Capability

Optional USB Cable with Data Recording PC Software for WIN98/NT4/XP/VISTA



ELIGRO

200A and 500A Series Multimeters

DM-200A



DM-210A



DM-510A



Critical functions in a streamlined design for CAT IV 300V, CAT III 600V and more...

The 200A and 500A Series were designed to provide all of the critical day-to-day features of hand-held multimeters in a smaller, ergonomic design. Look to this series for CAT IV 300V, CAT III 600V and CAT II 1000V applications and take advantage of AutoCHECK™, EF-Detection, audible and visible alerts and a back-lit LCD display. Use the chart below to choose the model in this series that suits your needs the best.

Backed by Greenlee's lifetime limited warranty, the 200A and 500A Series multimeters offer the professional electrician superior value when compared to the competition. If tracking, organizing and storing jobsite data is necessary for you, then add the optional PC interface software.

FEATURES	DM-200A	DM-210A	DM-510A	FEATURES	DM-200A	DM-210A	DM-510A
AutoCHECK™			✓	Auto and manual ranging	✓	✓	✓
Low impedance mode			✓	Data Hold	✓	✓	✓
True RMS			✓	Relative offset mode (Δ)	✓	✓	✓
Maximum/Minimum			✓	Continuity and beeper	✓	✓	✓
Peak (Crest) Hold, Min Max			✓	Diode test	✓	✓	✓
Temperature		✓	✓	Frequency	✓	✓	✓
Capacitance		✓	✓	Measurement Category Rating	CAT IV 300V, CAT III 600V, CAT II 1000V		
Beep-Jack™	✓	✓	✓	Display counts	6000		
Voltage Detection	✓	✓	✓	Resistance	600Ω to 60MΩ		
Display backlight	✓	✓	✓	Amperage	600mA to 10A AC/DC		
Analog bar graph	✓	✓	✓	Voltage	60mV to 1,000V AC/DC		
Computer Interface capability	✓	✓	✓				
Auto Power Off	✓	✓	✓				

Ordering Information

Cat No.	UPC	Description	Qty
DM-200A	08740	DMM, 1000V AC/DC	1
DM-200A-C	35756	DMM, 1KV AC/DC (CALIBRATED)	1
DM-210A	08741	DMM, 1KV AC/DC, CAP, TEMP	1
DM-210A-C	35757	DMM, 1KV AC/DC (CALIBRATED)	1
DM-510A	08742	DMM, TRMS, AC/DC, CAP, TEMP	1
DM-510A-C	35758	DMM, TRMS, AC/DC (CALIBRATED)	1
DM-810A	08743	DMM, TRMS, AC/DC, CAP (DM-810A)	1
DM-810A-C	35759	DMM, TRMS, AC/DC (CALIBRATED)	1
DM-820A	08744	DMM, TRMS, AC/DC, CAP, TEMP	1
DM-820A-C	35760	DMM, TRMS, AC/DC (CALIBRATED)	1
DM-830A	08745	DMM, TRMS AC+DC, DUAL-TEMP	1
DM-830-C	35770	DMM, TRMS AC+DC (CALIBRATED)	1
DML-430A	08746	DMM, DLOG 43K, TRMS AC+DC	1
DML-430A-C	35771	DMM, DLOG 43K (CALIBRATED)	1
DMSC-2U	35772 A	INTERFACE, KIT - USB	1
DMSC-9U	35773 A	INTERFACE, KIT - USB	1
DMHS-1	35774 A	STRAP, DMM HANGING	1
TSG-3	12034 R	Sure-Grip Test Leads	1
TC-20	07535 R	Carrying Case	1
TPI-1	06569 A	Immersion Temperature Probe	1
TPSFC	06570 A	Surface Temperature Probe	1
TPB	07592 A	Bead Temperature Probe (not pictured)	1

R = REPLACEMENT PART **A** = ACCESSORY



TC-20

