**DM-860A** 

Industrial Digital Multimeter













## More Safety. More Performance. More Versatility.

Safety, performance and versatility set Greenlee's series of Enhanced Smart Meter™ (ESM™) Digital Multimeters apart from the rest. The DM-860A is a full featured Industrial Digital Multimeter and the latest addition to the family.

Safety – The highest level of safety protection with a UL Category IV, 1000V rating. The Beep-Jack™ visual and audible warning system helps prevent improper test lead connections and avoids blown fuses and damage to the meter.

**Performance** – Provides the user with superior accuracy and functionality. The 50,000 count display with AC+DC True RMS and VFD (Variable Frequency Drive) voltage and frequency functions

allow for accurate readings on noisy waveforms. Autoranging for convenient operation and time savings.

**Versatility** – Rugged, multifunction capability to meet today's demanding jobs. The relative offset display mode makes monitoring relative measurement changes simple. The USB interface using the optional DMSC-9U cable and software allows for connection to a PC for extended measurement capability.

Dollar for dollar the Greenlee DM-860A Digital Multimeter provides the features, functions, and overall value demanded by today's professionals.

**GREENLEE**®

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- VFD (variable frequency drive) voltage and frequency functions for accurate readings on noisy drive waveforms.
- Beep-Jack<sup>™</sup> audible and visual input alert helps avoid blown fuses or damage to meter.
- 41-segment analog bar graph makes it easy to view guick 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, temperature and capacitance measurements, plus diode and continuity tests.
- Dual temperature measurement up to 1832°F/1000°C using type K thermocouples.
- Autoranging for convenient operation and time savings.
- 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, carrying case.
- · Lifetime Limited Warranty.

## **Specifications**

Voltage Measurement	500.00mV; 5.0000, 50.000, 500.00, 1000.0V
DC Voltage Measurement	500,000 counts mode: 500.000mV; 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	K type, -58°F to 1832°F (-50°C to 1000°C)
Measurement Category	CAT IV, 1000V

## **Ordering Information**

NEW PRODUCT	0
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CAT NO.	UPC NO.	DESCRIPTION	QTY.
DM-860A	12938	Industrial 500,000-Count Digital Multimeter	1
DM-860A-C	02069	Industrial 500,000-Count Digital Multimeter (Calibrated)	1
TC-20	07535 🚯	Carrying Case (included)	1
TSG-3	12034 <b>(</b>	Sure-Grip Test Leads	1
TPB	07592 🚯	Bead Temperature Probe	1
DMSC-9U	35773 (A)	For DM-800A Series and DML-430A Multimeters	1

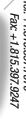
## DISTRIBUTOR INFORMATION:

True RMS AC+DC VFD (variable frequency drive) Volts & Frequency DCA (A max) 10 Maximum resolution (µA) 0.01 Best accuracy (%) 0.1 ACA (A max) 10 Maximum resolution (µA) 0.01 Best accuracy (%) 0.5 DCV (V max) 1000 Maximum Resolution (μV) 1 Best accuracy (%) 0.02 1000 ACV (V max) Maximum resolution (µV) 10 Best accuracy (%) 0.3 Resistance (MΩ) 50 Maximum resolution (mΩ) 10 0.07 Best accuracy (%) Conductance Continuity and beeper Diode Test Capacitance Frequency **Duty Cycle** Frequency Response (Hz) 20~100k Temperature Inputs 2 Display Type Digital Dual Digital Display • 50,000 / **Display Counts** 500,000 Backlight • Display update X/sec 5 Analog bar graph 41 60 Analog update X/sec Computer Interface USB 🔷 Auto and manual ranging Intelligent Auto Power Off Beep-Jack™ Input error Peak (crest) Hold - Max, Min . Data Hold Max/Min/Avg • Relative offset mode ( $\Delta$ ) Process measurement (%4-20 mA) Measurement Category Rating IV 1000 **4** cUL or CSA

**DM-860A DETAILED FEATURES** 

♦ Improved features over previous DM-860

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