



GREENLEE®

A Textron Company

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.

Features

- AC+DC True RMS, 50,000-count dual 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, 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 **R** = REPLACEMENT PART **A** = ACCESSORY

| 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 R | Carrying Case (included) | 1 |
| TSG-3 | 12034 R | Sure-Grip Test Leads | 1 |
| TPB | 07592 R | Bead Temperature Probe | 1 |
| DMSC-9U | 35773 A | For DM-800A Series and DML-430A Multimeters | 1 |

DISTRIBUTOR INFORMATION:

| DM-860A DETAILED FEATURES | |
|--|------------------|
| 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 |
| ACV (V max) | 1000 |
| Maximum resolution (µV) | 10 |
| Best accuracy (%) | 0.3 |
| Resistance (MΩ) | 50 |
| Maximum resolution (mΩ) | 10 |
| Best accuracy (%) | 0.07 |
| Conductance | ◆ |
| Continuity and beeper | • |
| Diode Test | • |
| Capacitance | • |
| Frequency | • |
| Duty Cycle | • |
| Frequency Response (Hz) | 20~100k |
| Temperature Inputs | 2 |
| Display Type | Digital |
| Dual Digital Display | ◆ |
| Display Counts | 50,000 / 500,000 |
| Backlight | • |
| Display update X/sec | 5 |
| Analog bar graph | 41 |
| Analog update X/sec | 60 |
| Computer Interface | USB ◆ |
| Auto and manual ranging | • |
| Intelligent Auto Power Off | • |
| Beep-Jack™ Input error warning | • |
| Peak (crest) Hold - Max, Min | • |
| Data Hold | • |
| Max/Min/Avg | ◆ |
| Relative offset mode (Δ) | • |
| Process measurement (%4-20 mA) | • |
| Measurement Category Rating | IV 1000 ◆ |
| UL | • |
| cUL or CSA | • |
| CE | • |

◆ Improved features over previous DM-860



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