

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	K type, -58°F to 1832°F (-50°C to 1000°C)
Measurement Category	CAT IV, 1000V

- 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, 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, carrying case.
- Lifetime Limited Warranty.

CAT. NO.	UPC NO.	DESCRIPTION
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N	DM-860A	12938	Industrial 500,000-Count Digital Multimeter
N	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

* Includes Certificate of Calibration

ESM™ Digital Logging Meter



FEATURING:



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

- 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, carrying case.
- Lifetime Limited Warranty.

CAT. NO.	UPC NO.	DESCRIPTION
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R	DML-430A	08746	Digital Logging Meter (43,000 data points)
R	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 Calibration