

**NEW**



### AM-270 and AM-250 Multimeters

If your electrical or HVAC applications take you outdoors or if you work on wiring directly connected to utility transformers or main panels, your meter's CAT safety rating is important. The AM-270 is rated CAT IV 600V / CAT III 1000 V. For indoors only, choose the CAT III 600V / CAT II 1000V rated AM-250. Both models measure a complete range of electrical parameters plus temperature, capacitance and a micro amps function for HVAC.

- Auto and manual ranging
- Data hold
- Audible continuity
- Large, easy-to-read LCD display with backlight
- Diode test and relative zero mode (AM-250 only)
- Peak hold with 30ms response time (AM-250 only)
- Beep-Jack audible warning against improper connection (AM-250 only)
- True-rms provides accuracy and dependability (AM-270 only)

| FEATURE            | AM-250   | AM-270   |
|--------------------|--|--|
| AC Voltage         | 400.0 mV, 4.000 V, 40.00 V, 400.0 V, 1000 V                              | 50.00 mV, 500.0 mV, 5.000 V, 50.00 V, 500.0 V, 1000 V  |
| DC Voltage         | 400.0 mV, 4.000 V, 40.00 V, 400.0 V, 1000 V                              | 50.00 mV, 500.0 mV, 5.000 V, 50.00 V, 500.0 V, 1000V   |
| Resistance         | 400.0 Ω, 4.000 kΩ, 40.00 kΩ, 400.0 kΩ, 4.000 MΩ, 40.00 MΩ,               | 50.00 Ω, 500.0 Ω, 5.000 kΩ, 50.00 kΩ, 500.0 kΩ, 5.000 MΩ, 50.00 MΩ                                     |
| AC / DC Current    | 40.00 μA, 400.0 μA, 400.0 mA, 4000 mA, 4.000 A, 10.00 A                  | 50.00 μA, 500.0 μA, 500.0 mA, 5000 mA, 5.000 A, 10.00 A  |
| Frequency          | 5.000 Hz, 50.00 Hz, 500.0 Hz, 5.000 kHz, 50.00 kHz, 500.0 kHz, 1.000 MHz | 5Hz → 125 kHz for all setups except: 5Hz → 1kHz for 500V and 1000V ranges 5 Hz → 20 kHz for 50 V range |
| Capacitance        | 500.0 nF, 5.000 μF, 50.00 μF, 500.0 μF, 3000 μF                          | 50.00 nF, 500.0 nF, 5.000 μF, 50.00 μF, 500.0 μF, 9999 μF  |
| Temperature        | -4 °F → 572 °F (-20 °C → 300 °C)   | -58 °F → 1832 °F (-50 °C → 1000 °C)  |
| Data Recording     | -  | Records peak, max, min, max-min  |
| Relative Zero Mode | -  | •  |

**INCLUDED ACCESSORIES:** Test leads (pair), banana plug K-type thermocouple, batteries (installed), users manual



**RECOMMENDED ACCESSORIES**

- DL248D** Deluxe Test Leads Kit (See Page 76)
- CT235A** Clamp Attachment
- CT237B** Clamp Attachment
- CT238A** Clamp Attachment (See Page 77)



For detailed specifications go to [www.Amprobe.com](http://www.Amprobe.com)



**ORDERING INFORMATION**

**AM-270**  
TRUE-RMS INDUSTRIAL MULTIMETER  
**AM-250**  
PROFESSIONAL ELECTRICAL MULTIMETER

### AM-140-A and AM-160-A True-rms Precision Digital Multimeters with PC Connection

These true-rms commercial-grade digital multimeters offer more features and better accuracy at a great price. Frequency, capacitance, duty cycle, temperature, analog bar graph and PC interface are just a handful of features available on these meters.

- Precision accuracy to 0.02% (AM-160-A only)
- High speed analog bar graph
- Dual temperature (AM-160-A only)
- Optical isolated PC interface for safe data downloads
- Crest (peak hold), min/max, max-min recording
- Audible continuity
- Auto and manual ranging
- Intelligent auto power off
- Data hold
- Relative zero mode
- Audible and visual warning against improper plug-in
- Large, easy-to-read LCD display with back light
- True-rms provides accuracy and dependability

| FEATURE         | AM-140-A  | AM-160-A   | BEST ACCURACY                                  |
|-----------------|---|--|--|
| AC Voltage      | 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V               |  | +/- (0.08 % rdg + 60 LSD) @ 45 Hz → 300 Hz     |
| DC Voltage      | 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V               |  | +/- (0.03 % rdg + 2 LSD) @ 0 V → 50 V          |
| Resistance      | 500.00 Ω, 5.0000 kΩ, 50.000 kΩ, 500.00 kΩ, 5.0000 MΩ, 50.000 MΩ |  | +/- (0.10 % rdg + 6 LSD)                       |
| AC / DC Current | 500.00 μA, 5000.0 μA; 50.000 mA, 500.00 mA; 5.0000 A, 10.000 A  |  | +/- (1.0 % rdg + 40 LSD) @ 50 Hz / 60 Hz       |
| Frequency       | 5.0000 Hz → 200.000 kHz   |  | +/- (0.002 % rdg + 4 LSD)                      |
| Capacitance     | 50.00 nF, 500.0 nF, 5.000 μF, 50.00 μF, 500.0 μF, 9999 μF       |  | +/- (2.0 % rdg + 3 LSD) @ 50 nF → 50 μF ranges |
| Temperature     | -   | Dual thermocouple<br>-58 °F → 1832 °F (-50 °C → 1000 °C) | +/- (0.3% rdg + 2 °F), +/- (0.3% rdg + 1 °C)   |
| Duty Cycle      | 0.1 % → 99.99 %   | -  | +/- (3 LSD / kHz + 3 LSD)                      |

**INCLUDED ACCESSORIES:** battery (installed), users manual, test leads, type-K thermocouple (AM-160-A only)



**RECOMMENDED ACCESSORIES**

- DL248D** Deluxe Test Leads Kit (See Page 76)
- CT235A** Clamp Attachment
- CT237B** Clamp Attachment
- CT238A** Clamp Attachment (See Page 77)
- USB KIT3** PC Software and Connection Kit (See Page 79)



For detailed specifications go to [www.Amprobe.com](http://www.Amprobe.com)



**ORDERING INFORMATION**

**AM-140-A**  
PRECISION TRUE-RMS DIGITAL MULTIMETERS WITH PC CONNECTION  
**AM-160-A**  
PRECISION TRUE-RMS DIGITAL MULTIMETERS WITH PC CONNECTION

