



AM-140 TRMS, AM-160 TRMS

Precision TRMS Digital Multimeters with PC Connection



These "top of the line" digital multimeters are affordable without sacrificing an array of features and functions. From true RMS to PC Connectivity Amprobe's Precision DMMs excel in the professional environment.

- True RMS (TRMS)
- Optical isolated PC interface capability
- MAX, MIN MAX-MIN recording
- Peak hold
- Auto and manual ranging
- Intelligent auto power off
- Data hold
- Relative zero mode
- Audible and visual warning against improper plug-in
- DC Loop Current 4-20mA
- dBm reading with 20 selectable impedance values
- Backlight display
- Large, easy to read LCD display
- Diode Test
- 4-20mA DC loop current
- Audible continuity
- Safety: CAT III 1000V, CAT IV 600V



FEATURES	AM-140	AM-160	ACCURACY
AC Voltage	500.00 mV 5.0000 / 50.000 / 500.00 / 1000.0 V		AM-140: $\pm (0.08\% \text{ Rdg} + 60 \text{ LSD}) @ 45 \text{ to } 300 \text{ Hz}^{**}$ AM-160: $\pm (0.08\% \text{ Rdg} + 20 \text{ LSD}) @ 45 \text{ to } 300 \text{ Hz}^{**}$
DC Voltage	500.00 mV 5.0000 / 50.000 / 500.00 / 1000.0 V		AM-140: $\pm (0.10\% \text{ Rdg} + 2 \text{ LSD})$ AM-160: $\pm (0.05\% \text{ Rdg} + 2 \text{ LSD})$
Resistance	500.00 Ohms 5.0000 / 50.000 / 500.00 kOhms 5.0000 / 50.00 0MOhms		AM-140: $\pm (0.10\% \text{ Rdg} + 6 \text{ LSD}) @ 500 \text{ Ohms to } 500 \text{ kOhms ranges}^{**}$ AM-160: $\pm (0.07\% \text{ Rdg} + 2 \text{ LSD}) @ 500 \text{ Ohms to } 500 \text{ kOhms ranges}^{**}$
AC Current	500.00 / 5000.0 uA 50.000 / 500.00 mA 5.0000 / 10.000 A		AM-140: $\pm (1.0\% \text{ Rdg} + 40 \text{ LSD}) @ 50 \text{ and } 60 \text{ Hz}^{**}$ AM-160: $\pm (0.5\% \text{ Rdg} + 50 \text{ LSD}) @ 50 \text{ and } 60 \text{ Hz}^{**}$
DC Current	500.00 / 5000.0 uA 50.000 / 500.00 mA 5.0000 / 10.000 A		$\pm (0.5\% \text{ Rdg} + 20 \text{ LSD})$
Frequency	5.0000 Hz to 200.000kHz		$\pm (0.002\% \text{ Rdg} + 4 \text{ LSD})$
Capacitance	50.00 / 500.0 nF 5.000 / 50.00 / 500.0 / 9999uF		$\pm (2.0\% \text{ Rdg} + 3 \text{ LSD}) @ 50 \text{ nF to } 50\mu\text{F ranges}^{**}$
Temperature	N/A	Dual thermocouple -58 F to 1832 F -50 C to 1000 C	$\pm (0.3\% \text{ Rdg} + 2 \text{ F})$ $\pm (0.3\% \text{ Rdg} + 1 \text{ C})$
Duty Cycle	0.1% to 99.99%		$\pm (3 \text{ LSD} / \text{kHz} + 3 \text{ LSD})$

**For other ranges see website (<http://www.AMPROBE.com>)