

Electrical Testers

275, 440, 196, & 133 SPECIFICATIONS

**275 Meter**

- Autoranging AC/DC amps
- True RMS
- 11,000 count display with 41 segment analog bargraph
- AC/DC voltage, amperage, resistance, capacitance, temperature and frequency modes...full-featured meter in a compact, rugged package

440 Oscilloscope/Multimeter

- 1 MHz oscilloscope bandwidth
- RS-232 for PC communication
- Trending mode enables graphing of surges and dropouts
- AC/DC volts, AC/DC amps, resistance, capacitance, and frequency modes
- Integral true RMS 4000-count autoranging multimeter

196 Digital Multimeter

- 0-24mA DC output for simulating and testing process loop controls
- 50,000 count display with backlight...easy readability
- RS-232 output
- Autoranging

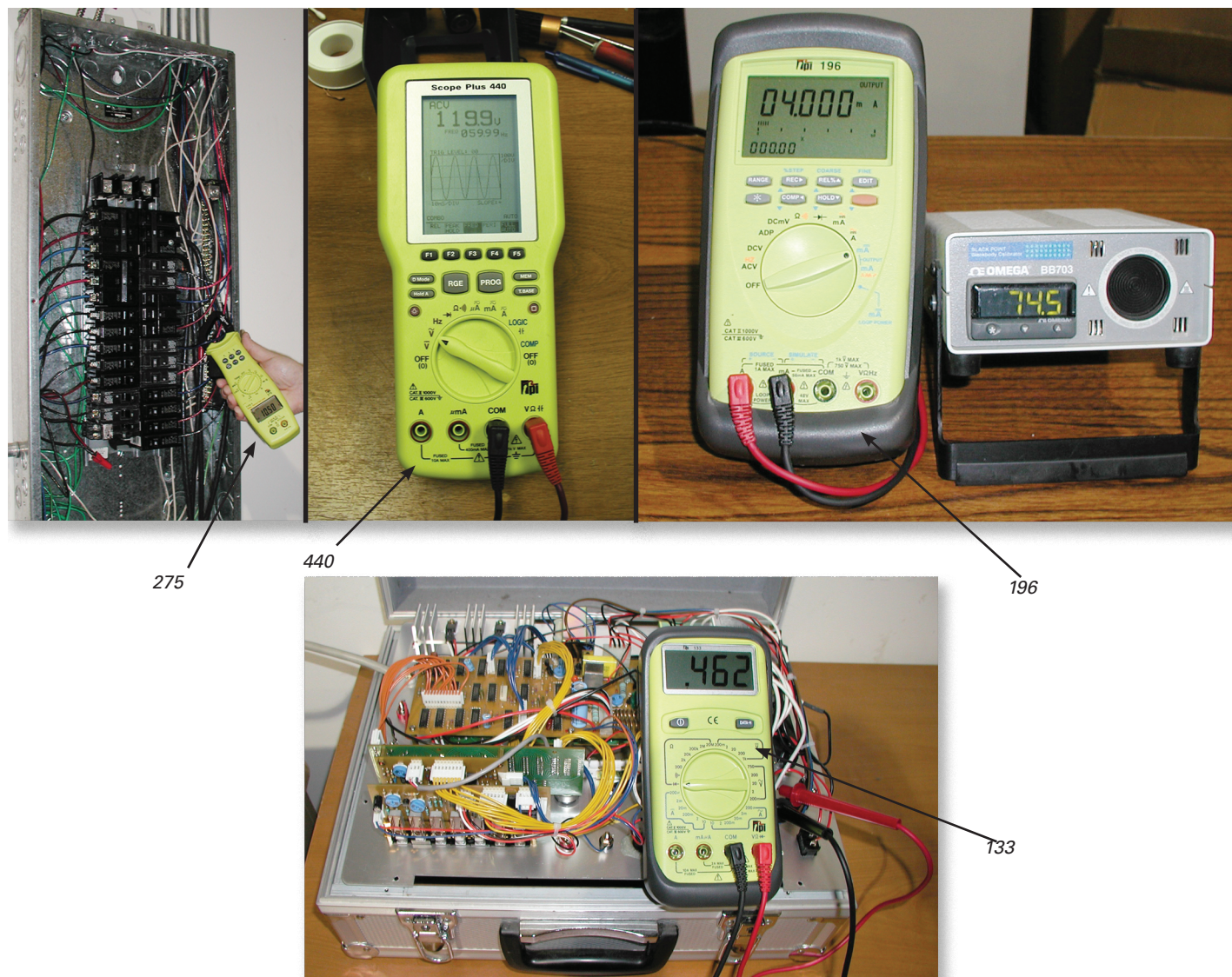
275	
DC Voltage	600V range, 0.01mV max. res., $\pm 0.5\%$ basic accuracy
AC Voltage	600V range, 0.01mV max. res., $\pm 0.5\%$ basic accuracy
DC Amps	400A range, 0.01A max. res., $\pm 0.8\%$ basic accuracy
DC Micro-amps	1100 μ A range, 0.01 μ A max. res., $\pm 3\%$ basic accuracy
AC Amps	400A range, 0.01A max. res., $\pm 3\%$ basic accuracy
Frequency	110MHz range, 0.1Hz max. res., $\pm 1\%$ basic accuracy
Resistance	110M Ω range, 0.01 Ω max. res., $\pm 1\%$ basic accuracy
Capacitance	110mF range, 0.001nF max. res., $\pm 3\%$ basic accuracy
Temperature	1000°F range, 0.1°F max. res., $\pm 1\%$ basic accuracy
440	
DC Voltage	400mV, 4, 40, 400, 1000V range, $\pm 0.3\%$ basic accuracy
AC Voltage	300mV, 3, 30, 300, 750V range, $\pm 0.75\%$ basic accuracy
DC Amps	400 μ A, 4000 μ A, 40mA, 400mA, 4A, 10A range, $\pm 0.5\%$ basic accuracy
AC Amps	300 μ A, 3000 μ A, 30mA, 300mA, 3A, 10A range, $\pm 75\%$ basic accuracy
Frequency	1Hz to 2MHz $\pm 0.05\%$ basic accuracy
Resistance	400 Ω , 4k Ω , 40k Ω , 400k Ω , 4M Ω , 30M Ω $\pm 0.3\%$ basic accuracy
Capacitance	400nF, 4 μ F, 40 μ F, 400 μ F $\pm 3\%$ basic accuracy
196	
DC Voltage	1000V max. input, 0.0001V max. res., $\pm 0.05\%$ basic accuracy
AC Voltage	1000V max. input, 0.001V max. res., $\pm 0.4\%$ basic accuracy
DC Amps	1A max. input, 0.0001mA max. res., $\pm 0.5\%$ basic accuracy
AC Amps	1A max. input, 0.0001mA max. res., $\pm 0.75\%$ basic accuracy
Frequency	500kHz max. input, 0.01Hz max. res., $\pm 0.05\%$ basic accuracy
Resistance	50M Ω max. input, 0.01 Ω max. res., $\pm 0.05\%$ basic accuracy
133	
DC Voltage	1000V max. input, 0.1mV max. res., $\pm 0.5\%$ basic accuracy
AC Voltage	750V max. input, 0.1mV max. res., $\pm 0.8\%$ basic accuracy
DC Amps	10A max. input, 0.1 μ A max. res., $\pm 0.5\%$ basic accuracy
AC Amps	10A max. input, 0.1 μ A max. res., $\pm 1\%$ basic accuracy
Resistance	20M Ω max. input, 0.1 Ω max. res., $\pm 0.5\%$ basic accuracy

All products include a one year warranty on probes and leads, a two year warranty on sensors, and a three year warranty on meters.

133 Basic Multimeter

- Large, easy-to-read 2000-count backlit display
- Data hold feature
- Protective boot
- AC/DC voltage, AC/DC amps, and resistance modes

APPLICATIONS



ORDERING INFORMATION



MODEL	MFR PART #	DESCRIPTION	UL	CE	RoHS
U003-0003	275	Clamp-on meter	●	●	●
U003-0014	440	Oscilloscope with Integral true RMS digital multimeter			●
U003-0018	196	Digital multimeter	●	●	●
U003-0019	133	Basic multimeter	●	●	●