

**410 2000 Count DMM**

- Auto Ranging
- Max and Data hold
- Diode and Transistor Test

**410****420 4000 Count DMM**

- Auto Ranging
- Max and Data hold
- Diode and Transistor Test
- RS-232 interface
- Analog bar graph
- Duty Cycle, Frequency and Capacitance
- Min/Max/Avg and Relative modes
- Continuity buzzer

**420****430 6000 Count DMM**

- Auto Ranging
- Max and Data hold
- Diode and Transistor Test
- RS-232 interface
- Analog bar graph
- Duty Cycle, Frequency and Capacitance
- Min/Max/Avg and Relative modes
- Continuity buzzer and Battery test

**430****SPECIFICATIONS****[ 410 ]**

Display: 2,000 counts  
 Features: Auto Ranging, Diode Test, Transistor Test, Max Hold, Data Hold  
 DC Volts:  
 Ranges: 200mV to 1000V  
 Accuracy:  $\pm(0.8\% + 2d)$ ; Best resolution: 0.1mV  
 AC Volts:  
 Ranges: 200mV to 750V  
 Accuracy:  $\pm(1.0\% + 3d)$ ; Best resolution: 1mV  
 DC Current:  
 Ranges: 200 $\mu$ A to 10A  
 Accuracy:  $\pm(1.0\% + 4d)$ ; Best Resolution: 0.1 $\mu$ A  
 AC Current:  
 Ranges: 20mA to 10A  
 Accuracy:  $\pm(2.0\% + 4d)$ ; Best Resolution 0.1 $\mu$ A  
 Resistance:  
 Ranges: 200 $\Omega$  to 20M $\Omega$   
 Accuracy:  $\pm(1.0\% + 2d)$ ; Best Resolution: 0.1 $\Omega$   
 Temperature:  
 Ranges: -40°C to 1000°C (-68°F to 1832°F)  
 Accuracy:  $\pm(3.0\% + 4d)$

**General Specifications**  
 Size: 7.0" H x 3.3" W x 1.3" D  
 Weight: 9 oz  
 Supplied Accessories: User manual, Safety probes with alligator tips, Temperature Adapter and K type Temperature probe

**[ 420 ]**

DC Volts:  
 Range: 400mV to 1000V  
 Accuracy:  $\pm(0.5\% + 2d)$ ; Best Resolution: 0.1mV  
 AC Volts:  
 Ranges: 400mV to 750V  
 Accuracy:  $\pm(1.0\% + 3d)$ ; Best Resolution: 0.1mV  
 DC Current:  
 Ranges: 400 $\mu$ A to 10A  
 Accuracy:  $\pm(1.0\% + 4d)$ ; Best Resolution: 0.1 $\mu$ A  
 AC Current:  
 Ranges: 400 $\mu$ A to 10A  
 Accuracy:  $\pm(2.0\% + 4d)$ ; Best Resolution: 0.1 $\mu$ A  
 Resistance:  
 Ranges: 400 $\Omega$  to 40M $\Omega$   
 Accuracy:  $\pm(1.0\% + 2d)$ ; Best Resolution: 0.1 $\Omega$   
 Frequency and Duty cycle  
 Ranges: 10Hz to 10MHz  
 Accuracy:  $\pm(0.5\% + 2d)$ ; Best Resolution: 10MHz  
 Duty Cycle Range: 0.1% to 99.9%  
 Capacitance:  
 Ranges: 4nF to 400 $\mu$ F  
 Accuracy:  $\pm(1.0\% + 2d)$ ; Best Resolution: 1pF  
 Temperature:  
 Ranges: -20°C to 1000°C  
 Accuracy:  $\pm(3.0\% + 2d)$   
 Diode, HFE and Continuity:  
 Buzzer will sound at less than 30 $\Omega$   
 Diode Test V: 2.8V  
 HFE: Measures DC Current gain from 10 to 1,999

**General Specifications**  
 Size: 7.0" H x 3.3" W x 1.3" D  
 Weight: 9 oz  
 Supplied Accessories: User manual, test leads, RS-232 Cable/ Software, Temperature Adapter and K type Temperature probe

**[ 430 ]**

DC Volts:  
 Range: 600mV to 1000V  
 Accuracy:  $\pm(0.5\% + 2d)$ ; Best Resolution: 0.1mV  
 AC Volts:  
 Ranges: 600mV to 750V  
 Accuracy:  $\pm(1.0\% + 3d)$ ; Best Resolution: 0.1mV  
 DC Current:  
 Ranges: 600 $\mu$ A to 10A  
 Accuracy:  $\pm(1.0\% + 4d)$ ; Best Resolution: 0.1 $\mu$ A  
 AC Current:  
 Ranges: 600mA to 20A  
 Accuracy:  $\pm(2.0\% + 4d)$ ; Best Resolution: 0.1 $\mu$ A  
 Resistance:  
 Ranges: 600 $\Omega$  to 60M $\Omega$   
 Accuracy:  $\pm(1.0\% + 2d)$ ; Best Resolution: 0.1 $\Omega$   
 Frequency:  
 Ranges: 10Hz to 10MHz  
 Accuracy:  $\pm(0.5\% + 2d)$ ; Best Resolution: 10MHz  
 Duty Cycle Range: 0.1% to 99.9%  
 Capacitance:  
 Ranges: 6nF to 600 $\mu$ F  
 Accuracy:  $\pm(1.0\% + 2d)$ ; Best Resolution: 1pF  
 Temperature:  
 Ranges: -20°C to 1000°C  
 Accuracy:  $\pm(3.0\% + 2d)$   
 Diode, HFE and Continuity:  
 Buzzer will sound at less than 30 $\Omega$   
 Diode Test V: 2.8V  
 HFE: Measures DC Current gain from 10 to 1999

**General Specifications**  
 Size: 7.0" H x 3.3" W x 1.3" D  
 Weight: 9 oz  
 Supplied Accessories: User manual, Safety probes with alligator tips, RS-232 Cable and Software CD ROM, Temperature Adapter and K type Temperature probe