

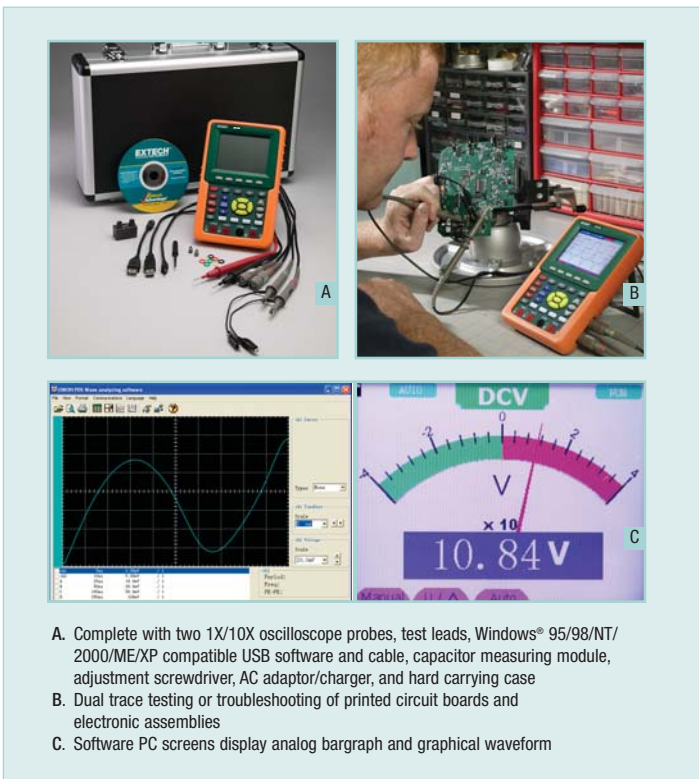
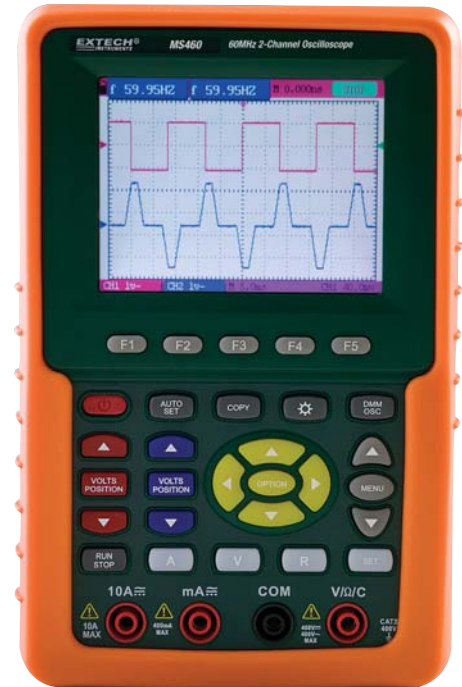
# 60MHz 2-Channel Digital Oscilloscope

**3.8" (97mm) color LCD display**

Makes viewing multiple waveforms easy

## Features:

- 60MHz bandwidth
- Auto-set function optimizes the position, range, timebase, and triggering to assure a stable display of virtually any waveform
- Peak Detect function for 50ns glitch capture
- XY Mode
- Five Automatic Measurements: Frequency, Cycle, Average, Peak to Peak, RMS
- Waveform Math: Add, Subtract, Multiply, and Divide
- Average Mode for smoothing waveforms
- Persistence Mode for observing dynamic signals
- Autoscale automatically configures trigger mode, voltage division and time scale according to type, amplitude and frequency of a signal
- Real Time Clock
- 6-Digit Frequency Counter (2Hz to 60MHz)
- Square Wave Output (5V, 1kHz) for probe adjustment
- Store and recall up to 4 waveform screens and setups
- USB interface and software for transferring waveforms and data



- A. Complete with two 1X/10X oscilloscope probes, test leads, Windows® 95/98/NT/2000/ME/XP compatible USB software and cable, capacitor measuring module, adjustment screwdriver, AC adaptor/charger, and hard carrying case
- B. Dual trace testing or troubleshooting of printed circuit boards and electronic assemblies
- C. Software PC screens display analog bargraph and graphical waveform

## Ordering Information:

MS460.....20MHz Dual Channel Digital Oscilloscope

## Specifications

### Oscilloscope Functions

Display Size	3.8" (96mm) color LCD; 320 x 240 pixels
Bandwidth	60MHz
Real time sample rate	250MS/s
Risetime	17.5ns
Channels	2
Record Length	6K points per channel
Glitch Capture	50ns
Vertical Sensitivity	5mV to 5V/div
Vertical Resolution	8 bits
Timebase Range	5ns to 5s/div
Sample Mode	Sample, Average, Peak Detect
Trigger Modes	Free Run, Single Shot, Edge, Video
Trigger Source	CH1, CH2
Trigger Coupling	AC, DC
Input impedance	1MΩ/20pF
Max Input Voltage	400V (peak)
Cursor Measurement	Voltage and time; Delta (CH1-CH2)

### True RMS MultiMeter Functions

AC/DC Voltage	400mV, 4V, 40V, 400V
AC/DC Current	40mA, 300mA, 20A
Resistance	400Ω, 4kΩ, 40kΩ, 400kΩ, 40MΩ
Capacitance	51.2nF to 100μF
Diode and Continuity	Yes
PC Interface	USB cable
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/Charger
Dimensions/Weight	7 x 4.4 x 1.6" (180 x 113 x 40mm) / 24.3oz (690g)

