

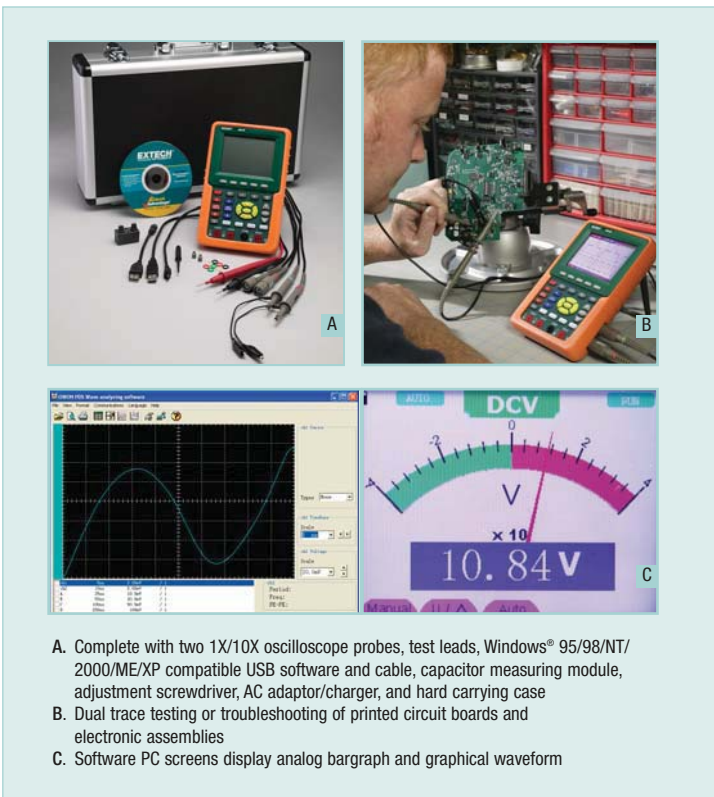
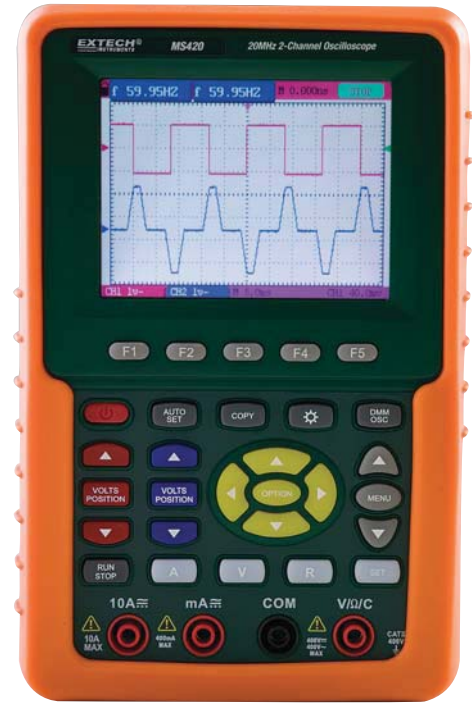
# 20MHz 2-Channel Digital Oscilloscope

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

Makes viewing multiple waveforms easy

## Features:

- 20MHz 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
- FFT function to view component frequencies
- Trigger Holdoff function stabilizes complex waveforms
- Twenty Automatic Measurements
- Waveform Math: Add, Subtract, Multiply, and Divide
- Average Mode for smoothing waveforms
- Persistence Mode for observing dynamic signals
- 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<sup>®</sup> 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

## Specifications

### Oscilloscope Functions

Display Size	3.8" (96mm) color LCD; 320 x 240 pixels
Bandwidth	20MHz
Real time sample rate	100MS/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	1M $\Omega$ /20pF
Max Input Voltage	400V (peak)
Cursor Measurement	Voltage and time

### True RMS MultiMeter Functions

AC/DC Voltage	400mV, 4V, 40V, 400V
AC/DC Current	40mA, 300mA, 20A
Resistance	400 $\Omega$ , 4k $\Omega$ , 40k $\Omega$ , 400k $\Omega$ , 40M $\Omega$
Capacitance	51.2nF to 100 $\mu$ F
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)

## Ordering Information:

MS420.....20MHz Dual Channel Digital Oscilloscope