

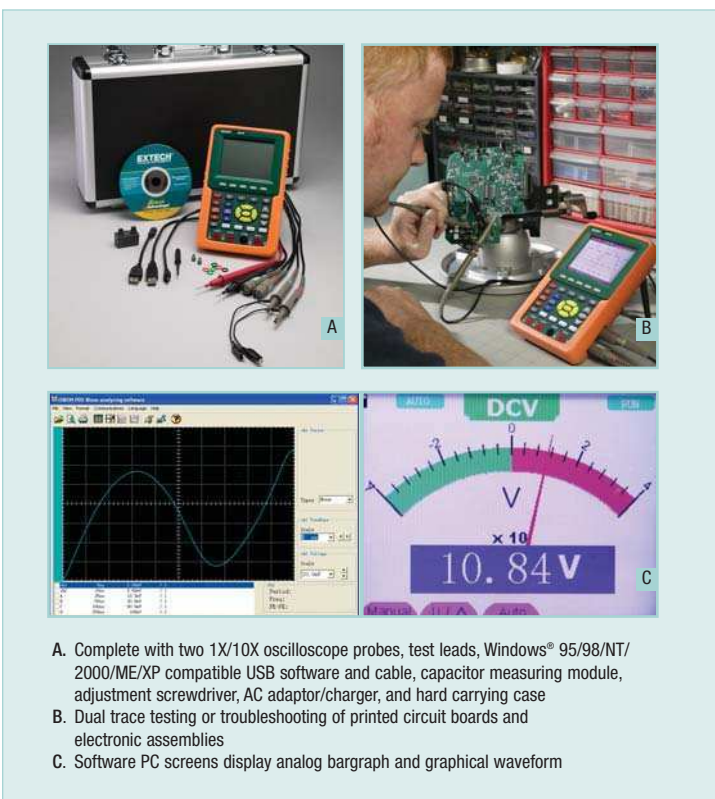
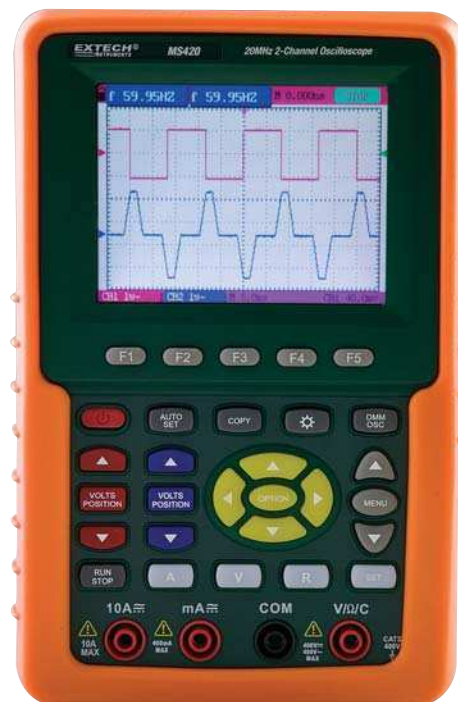
20MHz 2-Channel Digital Oscilloscope

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[®] 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 | 1MΩ/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 | 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) |

Ordering Information:

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

