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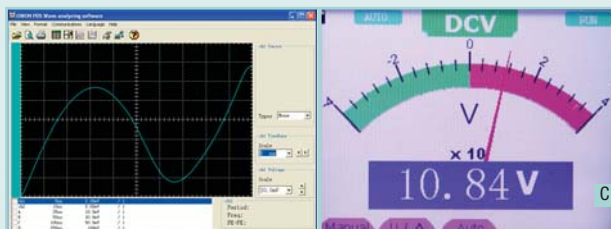
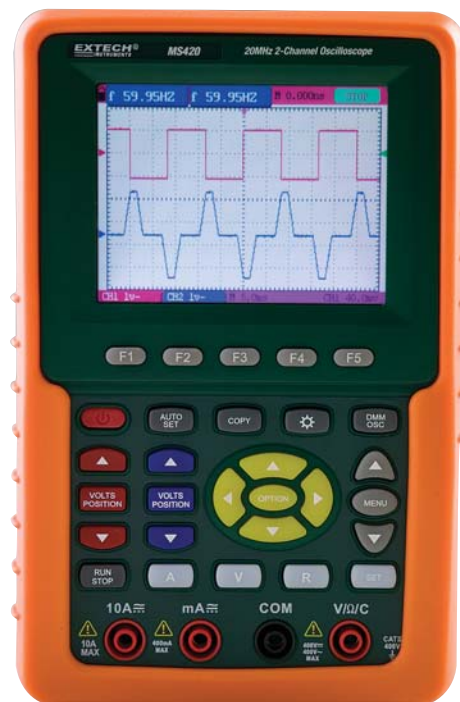
## 20MHz 2-Channel Digital Oscilloscope

**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



- 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
- Dual trace testing or troubleshooting of printed circuit boards and electronic assemblies
- 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

