



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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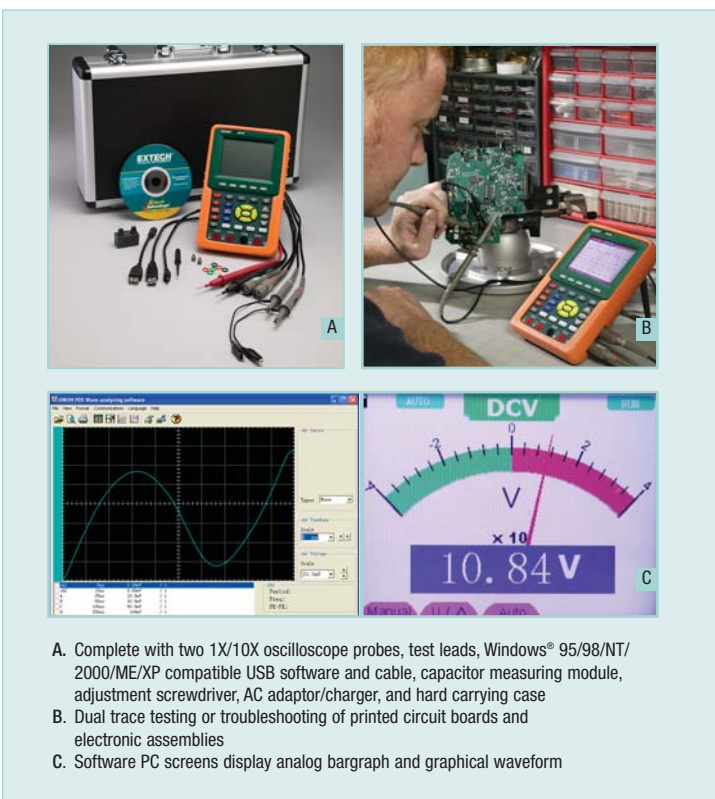
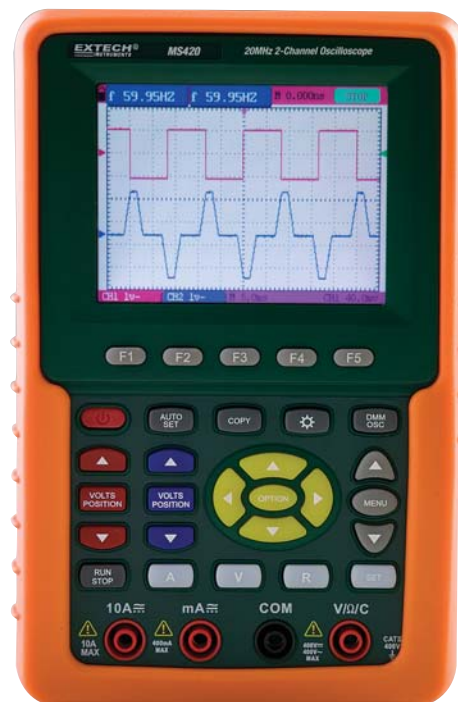
20MHz 2-Channel Digital Oscilloscope

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



- 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	1M Ω /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 Ω , 4k Ω , 40k Ω , 400k Ω , 40M Ω
Capacitance	51.2nF to 100 μ 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