

2-Channel Digital Oscilloscopes

**PRELIMINARY
DATASHEET**

5.6" (142mm) color LCD display

Makes viewing multiple waveforms easy

Features:

- Three models to choose from:
 - Model MS6060 — 60MHz bandwidth
 - Model MS6100 — 100MHz bandwidth
 - Model MS6200 — 200MHz bandwidth
- One-touch automatic setup optimizes the position, range, timebase, and triggering to assure a stable display of virtually any waveform
- Easy-to-use pop-up menu with built-in multi-language help system
- 23 Automatic Measurements
- Waveform Math: Add, Subtract, Multiply, and Divide
- Store and recall up to 1000 waveform screens and setups using the installed 2G microSD card
- Automatic cursor tracking measurements
- XY Mode
- Built-in FFT function converts a time-domain signal into its frequency components to measure harmonic content and distortion in systems
- Waveform Recorder to capture/replay input waveforms from CH1 and CH2 with a maximum record length of 1000 frames
- Pass-Fail function compares a stored waveform to an unknown input
- Average Mode for smoothing waveforms
- Square Wave Output (2V, 1kHz) for probe adjustment
- 6,000 count MultiMeter with analog bargraph
- USB interface and software for transferring waveforms and data
- Complete with two 1X/10X oscilloscope probes, test leads, Windows[®] compatible software and USB cable, 7.4V Li-Ion battery, universal AC adaptor/charger, and case



Specifications	MS6060	MS6100	MS6200
Bandwidth	60MHz	100MHz	200MHz
Sample rate per channel	500MS/s	500MS/s	500MS/s
Risetime	5.8ns	3.5ns	1.8ns
Glitch Capture	8ns	2.5ns	2.5ns
Common Features/Functions			
Oscilloscope Functions			
Record Length	1M points per channel		
Display Size	5.6" (142mm) color LCD; 640 x 480 pixels		
Channels	2		
Vertical Sensitivity	2mV to 5V/div		
Vertical Resolution	8 bits		
Timebase Range	2ns to 2000s/div		
Sample Mode	Normal, Average, Peak Detect		
Trigger Modes	Edge, Pulse, Alt, Video		
Trigger Source	CH1, CH2		
Trigger Coupling	AC, DC		
Input impedance	1MΩ/15pF		
Max Input Voltage	300V (peak)		
Cursor Measurement	Voltage and time; Delta (CH1-CH2)		
True RMS MultiMeter Functions			
AC Voltage	60mV, 600mV, 6V, 60V, 600V		
DC Voltage	60mV, 600mV, 6V, 60V, 600V, 800V		
AC/DC Current	60mA, 600mA, 10A		
Resistance	600Ω, 6kΩ, 60kΩ, 600kΩ, 6MΩ, 60MΩ		
Capacitance	5nF to 400μF		
Diode and Continuity	Yes		
PC Interface	USB cable		
Power Supply	3 hours Li-ion rechargeable battery; AC Adaptor/Charger		
Dimensions/Weight	9.6 x 6.4 x 2" (245 x 163 x 52mm) / 2.6lbs (1.2kg)		

Ordering Information:

MS6060.....60MHz Dual Channel Digital Oscilloscope
 MS6100.....100MHz Dual Channel Digital Oscilloscope
 MS6200.....200MHz Dual Channel Digital Oscilloscope
 BATT-74V7.4V Li-Ion Replacement Battery
 TL6201X/10X 200MHz Oscilloscope Probe
 TL625High Voltage Oscilloscope Probe 100MHz, 2000V

