## MS6000 Series 2-Channel Digital Oscilloscopes


5.6" (142mm) graphical color LCD for viewing multiple waveforms plus built-in digital multimeter display and analog bargraph.

DISPLAYS:
A. Oscilloscope
B. Dual Channel
C. Multimeter
D. Pass/Fail Test
E. Reference
F. X/Y Format

- Waveform Recorder to capture/replay input waveforms from CH 1 and CH 2 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 ( $2 \mathrm{~V}, 1 \mathrm{kHz}$ ) for probe adjustment
- Built-in 6,000 count True RMS MultiMeter with analog bargraph
- Complete with two 1X/10X oscilloscope probes, test leads, 7.4V Li-lon battery, universal AC charger, and carrying case

| Specifications | MS6060 | MS6100 | MS6200 |
| :---: | :---: | :---: | :---: |
| Bandwidth | 60 MHz | 100 MHz | 200MHz |
| Sample rate per channel | 500MS/s | 500MS/s | 500MS/s |
| Risetime | 5.8 ns | 3.5 ns | 1.8ns |
| Timebase Range | 4ns/div to 40s/div | 4ns/div to 40s/div | $2 \mathrm{~ns} / \mathrm{div}$ to 40s/div |
| Common Features/Functions |  |  |  |
| Oscilloscope Functions |  |  |  |
| Record Length | 1 M points per channel |  |  |
| Display Size | 5.6" (142mm) color LCD; $640 \times 480$ pixels |  |  |
| Channels | 2 |  |  |
| Vertical Sensitivity | $2 \mathrm{mV} /$ div to $5 \mathrm{~V} /$ div |  |  |
| Vertical Resolution | 8 bits |  |  |
| Glitch Capture | Yes |  |  |
| Sample Mode | Normal, Average, Peak Detect |  |  |
| Trigger Modes | Edge, Pulse, Alt, Video, Slope |  |  |
| Trigger Source | $\mathrm{CH} 1, \mathrm{CH} 2$ |  |  |
| Trigger Coupling | AC, DC, LF, HF, Noise Reduction |  |  |
| Input impedance | 1M $2 / 20 \mathrm{pF}$ |  |  |
| Max Input Voltage | 300 V (peak) |  |  |
| Cursor Measurement | Voltage and time; Delta (CH1-CH2) |  |  |
| True RMS MultiMeter Functions |  |  |  |
| AC Voltage | $60 \mathrm{mV}, 600 \mathrm{mV}, 6 \mathrm{~V}, 60 \mathrm{~V}, 600 \mathrm{~V}$ |  |  |
| DC Voltage | $60 \mathrm{mV}, 600 \mathrm{mV}, 6 \mathrm{~V}, 60 \mathrm{~V}, 600 \mathrm{~V}, 800 \mathrm{~V}$ |  |  |
| AC/DC Current | 60mA, 600mA, 10A |  |  |
| Resistance | $600 \Omega, 6 \mathrm{k} \Omega, 60 \mathrm{k} \Omega, 600 \mathrm{k} \Omega, 6 \mathrm{M} \Omega, 60 \mathrm{M} \Omega$ |  |  |
| Capacitance | 5 nF to 400 $\mu \mathrm{F}$ |  |  |
| Diode and Continuity | Yes |  |  |
| Power Supply | 3 hours Li-ion rechargeable battery; AC Charger |  |  |
| Dimensions/Weight | $9.6 \times 6.4 \times 2$ " $(245 \times 163 \times 52 \mathrm{~mm}) / 2.6 \mathrm{lbs}(1.2 \mathrm{~kg})$ |  |  |

## Ordering

MS6060 ............. 60MHz Dual Channel Digital Oscilloscope
MS6100 ............. 100MHz Dual Channel Digital Oscilloscope
MS6200 ............. 200MHz Dual Channel Digital Oscilloscope
BATT-74V ........... 7.4V Li-lon Replacement Battery
TL620................. 1X/10X 200MHz Oscilloscope Probe
TL625................. High Voltage Oscilloscope Probe 100MHz, 2000V

