



DS5000MA series Digital Oscilloscopes are another new products with outstanding performance we developed recently. It delivers an unbeatable combination of high performance and unmatched ease-of-use at a affordable low price. DS5000MA series Digital Oscilloscopes use MONO LCD display; Real-time Sample Rate up to 1GSa/s; Equivalent Sample Rate up to 50GSa/s; 4K Memories; 2mV-5V Vertical Sensitivity; 1ns-50s Timebase Range; Advanced Triggering on edge, video, pulse; Built-in FFT Functions; Digital filter1; Pass/Fail Inspection; Waveform Record. At this way you can analyse and measure circuit more

## DS 5000MA (DS5152MA/DS5102MA/DS5062MA)

### 1. Features

- Bandwidth: 150M(DS5152MA),100M(DS5102MA),60M(DS5062MA)
- Sample Rate(Realtime): 1GSa/s
- Equivalent Sampling Rate: 50GSa/s
- 2 Channels
- Memory: 4K per channel
- Display: Mono LCD
- Autoset
- Auto Calibration
- Ultrazoom: Enable fine display while viewing details
- 20 Automatic Measurements
- Multi-language User Interface
- 10 Waveforms and 10 Setup Memories
- Built-in FFT, Digital Filter, Pass/Fail, Waveform Record Functions
- Built-in USB interface
- Extended Capabilities are provided with optional EM5-CM, EM5-COM, EM5-P/F
- Ultrascope: PC control software

### 2. Specifications ( DS5152MA/DS5102MA/DS5062MA )

	DS5152MA	DS5102MA	DS5062MA
Channels	2	2	2
Bandwidth	150MHz	100MHz	60MHz
Vertical Sensitivity	2mV/div to 5V/div		
TimeBase	1ns/div to 50s/div		
Sample Rate	1GSa/s		
Equivalent Sampling	50GSa/s		
Input Impedance	1 M $\Omega$ , approx. 13 pF		
Input Coupling	DC, AC or GND		
Trigger Type	Edge, Video, Pulse		
Trigger Mode	Auto, Normal, Single		
Trigger Source	CH 1, 2, ext, ext/5 or ext(50 $\Omega$ )		
Horizontal Accuracy	$\pm 0.01\%$		
Vertical Resolution	8bits		
Auto Measurement	Vpp, Vrms, Vamp, Vmax, Vmin, Vtop, Vbase, Vavg, Overshoot, Preshoot, Freq, Period, +Width, -Width, Risetime, Falltime, +Duty, -Duty, etc.		
Math	+, -, x, $\div$ , FFT		
Storage	10 Waveforms(2CH), 10 Sets		
FFT	Window	Hanning, Hamming, Blackman-Harris, Rectangular	
	Sample	1024 points	
XY-PLOT	Bandwidth	150MHz	60MHz
	Phase diff	$\pm 3$ degrees	
Display	Mono. LCD, 320x240		
Power	Worldwide use, 100~225V/40W		
Net Weight	4.5Kg		
Dimension (excl. handle)	303mmx145mmx288mm		
Accessory	Probex2(1:1/10:1), Power Cable, ToolsBag, User manual		

