

# WAVEACE 100 SPECIFICATIONS

	WaveAce 101	WaveAce 102	WaveAce 112
Bandwidth	40 MHz	60 MHz	100 MHz
Rise Time	8.8 ns	5.8 ns	3.5 ns
Input Channels	2	2	2
Display	5.7" Color, 320 x 240 Resolution		
Sampling Rate (Single Shot)	500 MS/s (interleaved), 250 MS/s (all channels)		
Sampling Rate (Equivalent Time)	50 GS/s		
Peak Detect Period	10 ns		
Memory Length	4 kpts/Ch		
Maximum Memory	4 kpts		
Vertical Resolution	8-bits		
Vertical Sensitivity	2 mV/div–5 V/div		
Bandwidth Limiting Filter	20 MHz		
Maximum Input Voltage	400 Vpk		
Input Coupling	GND, DC 1 M $\Omega$ , AC 1 M $\Omega$		
Input Impedance	1 M $\Omega$    13 pF		
Probes	10:1, 1:1 Switchable Passive Probe (one per channel)		
Timebase Range	10 ns/div–50 s/div	5 ns/div–50 s/div	2.5 ns/div–50 s/div

## Triggering

Triggers Edge, Pulse Width, Video, Slope (Rise Time), Alternate

## Measure, Math and Wave Recorder

Measure	Amplitude, Average, Base, Burst Width, Cyclic RMS, + Duty Cycle, - Duty Cycle, Fall Time, Frequency, Max, Mean, Min, Overshoot, Peak-Peak, Period, Phase, Rise Time, RMS, Top, + Width, - Width. Plus 8 advanced parameters for edge to edge timing measurements
Math	Add, Subtract, Multiply, Divide, FFT (up to 1 kpts with Rectangular, Von Hann, Hamming or Blackman windows)
Waveform Sequence Recorder	Record and playback a sequence of up to 2500 waveforms

## Input/Output Interfaces

USB	USB host port for flash drives, USB device port for connecting to PC and printers
RS-232	RS-232 port for connection to PC and EasyScope software

## Physical

Dimensions (HWD)	154 mm x 305 mm x 133 mm; 6" x 12" x 5.25" (height excludes feet)
Weight	2.3 kg; 5 lbs.

# WAVEACE 200 SPECIFICATIONS

	WaveAce 202	WaveAce 204	WaveAce 212	WaveAce 214	WaveAce 222	WaveAce 224	WaveAce 232	WaveAce 234
Bandwidth	60 MHz	60 MHz	100 MHz	100 MHz	200 MHz	200 MHz	300 MHz	300 MHz
Rise Time	5.8 ns	5.8 ns	3.5 ns	3.5 ns	1.75 ns	1.75 ns	1.2 ns	1.2 ns
Input Channels	2	4	2	4	2	4	2	4
Display	5.7" Color, 320 x 240 Resolution							
Sampling Rate (Single Shot)	1 GS/s (all channels)				2 GS/s (interleaved), 1 GS/s (all channels)			
Sampling Rate (Equivalent Time)	50 GS/s							
Peak Detect Period	2.5 ns							
Memory Length	9 kpts/Ch	10 kpts/Ch	9 kpts/Ch	10 kpts/Ch	9 kpts/Ch	10 kpts/Ch	9 kpts/Ch	10 kpts/Ch
Maximum Memory (Interleaved)	18 kpts	20 kpts	18 kpts	20 kpts	18 kpts	20 kpts	18 kpts	20 kpts
Vertical Resolution	8-bits							
Vertical Sensitivity	2 mV/div–5 V/div							
Bandwidth Limiting Filter	20 MHz							
Maximum Input Voltage	400 Vpk				400 Vpk (1 M $\Omega$ ), 5 Vrms (50 $\Omega$ )			
Input Coupling	GND, DC 1 M $\Omega$ , AC 1 M $\Omega$				GND, DC 1 M $\Omega$ , AC 1 M $\Omega$ , 50 $\Omega$			
Input Impedance	1 M $\Omega$    13 pF				1 M $\Omega$    13 pF, 50 $\Omega$			
Probes	10:1, 1:1 Switchable Passive Probe (one per channel)							
Timebase Range	5 ns/div–50 s/div		2.5 ns/div–50 s/div				1 ns–50 s/div	

## Triggering

Triggers Edge, Pulse Width, Video, Slope (Rise Time), Alternate

## Measure, Math and Wave Recorder

Measure	Amplitude, Average, Base, Burst Width, Cyclic RMS, + Duty Cycle, - Duty Cycle, Fall Time, Frequency, Max, Mean, Min, Overshoot, Peak-Peak, Period, Phase, Rise Time, RMS, Top, + Width, - Width. Plus 8 advanced parameters for edge to edge timing measurements
Math	Add, Subtract, Multiply, Divide, FFT (up to 1 kpts with Rectangular, Von Hann, Hamming or Blackman windows)
Waveform Sequence Recorder	Record and playback a sequence of up to 2500 waveforms

## Input/Output Interfaces

USB	USB host port for flash drives, USB device port for connecting to PC and printers
RS-232	RS-232 port for connection to PC and EasyScope software (2 Channel models only)
LAN	LAN port for connection to PC and EasyScope software (4 Channel models only)

## Physical

### 2 Ch Models

Dimensions (HWD)	154 mm x 305 mm x 133 mm; 6" x 12" x 5.25" (height excludes feet)
Weight	2.3 kg; 5 lbs.

### 4 Ch Models

Dimensions (HWD)	159 mm x 336 mm x 133 mm; 6.3" x 13.2" x 5.25" (height excludes feet)
Weight	3 kg; 6.6 lbs.