

Biggest Touch. Best Value.

100 MHz - 1 GHz



Tools for Faster Time to Insight

MAUI - Advanced User Interface

- Designed for Touch
- Built for Simplicity
- Made to Solve

Advanced Anomaly Detection

- Fast Waveform Update
- History Mode - Waveform Playback
- WaveScan - Search and Find

Multi-Instrument Capabilities

- Protocol Analysis - Serial Trigger and Decode
- Waveform Generation - Built-in Function Generator
- Digital Voltmeter and Frequency Counter

Future Proof

- Upgradeable Bandwidth
- Field Upgradeable Software and Hardware Options

Key Specifications	
Bandwidth	100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz
User Interface	MAUI
Channels	4
Sample Rate (Per Ch / Intlv'd)	2 GS/s / 4 GS/s
Standard Memory (Per Ch / Intlv'd)	10 Mpts / 20 Mpts
Update Rate	up to 130,000 waveforms/sec
Display	10.1" Capacitive Touch Screen
Digital Channels	16
Digital Sample Rate	500 MS/s
Minimum Pulse Width	4 ns
Max MSO Memory	10 Mpts / 20 Mpts
Connectivity	USB Host, USB Device, LAN, GPIB, and LXI Compatible

For more information, please contact:





Ordering Information

Model	Bandwidth	Channels*	Memory (per Ch / interleaved)	Sample Rate (per Ch / interleaved)
WaveSurfer 3014z	100 MHz	4 / 4+16	10 Mpts / 20 Mpts	1 GS/s / 2 GS/s
WaveSurfer 3024z	200 MHz	4 / 4+16	10 Mpts / 20 Mpts	2 GS/s / 4 GS/s
WaveSurfer 3034z	350 MHz	4 / 4+16	10 Mpts / 20 Mpts	2 GS/s / 4 GS/s
WaveSurfer 3054z	500 MHz	4 / 4+16	10 Mpts / 20 Mpts	2 GS/s / 4 GS/s
WaveSurfer 3104z	1 GHz	4 / 4+16	10 Mpts / 20 Mpts	2 GS/s / 4 GS/s

*16 digital channels available with WS3Kz-MSO

Available Probes		
High Voltage Fiber Optically-isolated Probes		
HVF0103	High Voltage Fiber Optic Probe, 60 MHz Bandwidth	
Differential		
HVD3102A	1kV, 25 MHz High Voltage Differential Probe	
HVD3106A	1kV, 120 MHz High Voltage Differential Probe	
HVD3206A	2kV, 120 MHz High Voltage Differential Probe	
HVD3605A	6kV, 100 MHz High Voltage Differential Probe	
AP031	700 V, 15 MHz High-Voltage Differential Probe	
ZD200	200 MHz Active Differential Probe	
ZD1000	1 GHz Active Differential Probe	
ZD1500	1.5 GHz Active Differential Probe	
Single-Ended		
ZS1500	1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	
ZS1000	1 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	
Active Voltage Rail Probe		
RP4030	Power/Voltage Rail Probe. 4 GHz, ±30V offset, ±800mV	
High Voltage		
HVP120	400 MHz, 1kV V _{rms} High-Voltage Passive Probe	
PPE4KV	100:1 400 MHz 50 MΩ 4kV High-Voltage Probe	
PPE5KV	1000:1 400 MHz 50 MΩ 5 kV High-Voltage Probe	
PPE6KV	1000:1 400 MHz 50 MΩ 6 kV High-Voltage Probe	
Current		
CP030	30A; 50 MHz Current Probe – AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	
CP030A	30A, 50 MHz High Sensitivity Current Probe - AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse,	
CP031	30A; 100 MHz Current Probe – AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	
CP031A	30A; 100 MHz High Sensitivity Current Probe – AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	
CP150	150A; 10 MHz Current Probe – AC/DC; 150 A _{rms} ; 50 A _{peak} Pulse	
CP500	500A; 2 MHz Current Probe – AC/DC; 500 A _{rms} ; 700 A _{peak} Pulse	
Probe Adapters		
TPA10	TekProbe to ProBus Probe Adapter	
CA10	Programmable ProBus Current Adapter	

Excellent Performance

- 100 MHz, 200 MHz, 350 MHz, 500 MHz, 1 GHz
- Up to 4 GS/s maximum sample rate
- Up to 20 Mpts/ch
- 16 Channel Mixed Signal Capability

Rich Feature Set

- MAUI - Advanced User Interface
- 10.1" Capacitive Touch Screen Display
- Fast Waveform Update - up to 130,000 waveforms/sec
- WaveScan search and find
- History Mode waveform playback
- LabNotebook™ Documentation Tool
- Protocol Analysis - I²C, SPI, UART, RS232, Audibus (I²S, LJ, and RJ), CAN and LIN Trigger and Decode
- Waveform Generation - WaveSource Function Generator
- Digital Voltmeter Measurements

wavesurfer3kz-fact-sheet-26mar18