TELEDYNE LECROY
Everywhereyoulook™

WaveSurfer 3000z Oscilloscopes

Biggest Touch. Best Value.

100 MHz - 1 GHz

MAUI

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

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

For more information, please contact:

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WaveSurfer 3000z Oscilloscopes

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

HVFO103	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 - I^2C, SPI, UART, RS232, Audiobus (I^2S, LJ, and RJ), CAN and LIN Trigger and Decode
- Waveform Generation - WaveSource Function Generator
- Digital Voltmeter Measurements