

Unbelievably Powerful. Insanely Easy.

500 MHz – 4 GHz



Key Specifications	
Bandwidth	500 MHz, 1 GHz, 2.5 GHz, 4 GHz
Resolution	8-bit ADC resolution
Channels	4
Memory	Up to 128 Mpts
Sample Rate	Up to 40 GS/s
Digital Channels	16
Digital Sample Rate	1.25 GS/s
Minimum Pulse Width	2 ns
Display	15.4" WXGA Widescreen Capacitive Touch Screen
Connectivity	USB 3.1 Host, USB 3.1 Device, LAN, GPIB

Tools for Faster Time to Insight

- **MAUI with OneTouch**
 - Designed for Touch
 - Built for Simplicity
 - Made to Solve
- **Powerful Mixed Signal Capabilities** – Debug complex embedded designs with integrated 16 channel mixed signal capability
- **Industry leading Sample Rate and Deep Memory** – “M” models offer 40 GS/s and deep memory of 128 Mpts
- **Huge Applied Offset Range** – Apply large offsets at high sensitivities to view small variations on signals
- **LabNotebook** – Save all results and data with a single button press and create custom reports
- **Software Options** – Packages for advanced analysis
 - Serial Bus Trigger, Decode, Measure/Graph and Eye
 - Spectrum Analyzer Option
 - Power Analysis
 - XDEV Advanced Customization
 - QualiPHY Serial Data Compliance
 - Jitter and Timing Analysis

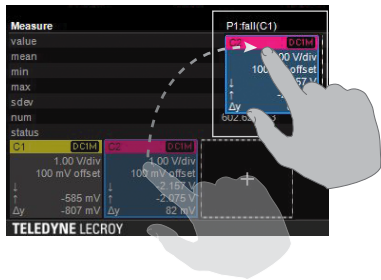
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MAUI with OneTouch optimizes convenience and efficiency. All common operations can be performed with a single touch.



A suite of protocol specific measurement and eye diagram packages are available to complement the industry's most intuitive trigger and decode packages.



The WaveRunner 9000 has the greatest breadth and depth of tools, ensuring quick resolution of the most complicated debug tasks.



Ordering Information

Model	Bandwidth	Channel	Standard Memory	Sample Rate
WaveRunner 9054 / WaveRunner 9054-MS	500 MHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 9104 / WaveRunner 9104-MS	1 GHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 9254 / WaveRunner 9254-MS	2.5 GHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 9404 / WaveRunner 9404-MS	4 GHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 9254M / WaveRunner 9254M-MS	2.5 GHz	4 / 4+16	128 Mpts	40 GS/s
WaveRunner 9404M / WaveRunner 9404M-MS	4 GHz	4 / 4+16	128 Mpts	40 GS/s

Available Probes

Single-Ended		High-Voltage	
ZS1000	1 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	HVP120	100:1 400 MHz 50 MΩ 1 kV High-voltage Probe
ZS1500	1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	PPE4KV	100:1 400 MHz 50 MΩ 4kV High-Voltage Probe
ZS2500	2.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	PPE5KV	1000:1 400 MHz 50 MΩ 5 kV High-Voltage Probe
ZS4000	4 GHz, 0.6 pF, 1 MΩ High Impedance Active Probe	PPE6KV	1000:1 400 MHz 50 MΩ 6 kV High-Voltage Probe
Differential		Current	
ZD200	200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ±20 V	CP030	30 A; 50 MHz Current Probe – AC/DC; 30 Arms; 50 A _{peak} Pulse
ZD500	500 MHz, 1.0 pF Active Differential Probe, ±8 V	CP030A	30A, 50 MHz High Sensitivity Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 1.5 meter cable
ZD1000	1 GHz Active Differential Probe	CP031	30 A; 100 MHz Current Probe – AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse
ZD1500	1.5 GHz Active Differential Probe	CP031A	30A, 100 MHz High Sensitivity Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 1.5 meter cable
AP033	500 MHz, Active Differential Probe (±1, ±10, ±100)	CP150	150 A; 10 MHz Current Probe – AC/DC; 150 A _{rms} ; 50 A _{peak} Pulse
D410-A-PB2	WaveLink 4 GHz, 2.5 V _{p-p} ProBus2 Differential Probe	CP500	500 A; 2 MHz Current Probe – AC/DC; 500 A _{rms} ; 700 A _{peak} Pulse
D420-A-PB2	WaveLink 4 GHz, 5 V _{p-p} ProBus2 Differential Probe	DCS025	Deskew Calibration Source for CP030, CP030A, CP031, CP031A, AP015, CP150, CP500
D400-A-AT-PB2	WaveLink 4 GHz Diff. Amplifier Module with Adjustable Tip	CA10	Programmable Current Sensor to ProBus Adapter for use with third party current sensors
High Voltage Differential		TPA10	TekProbe to ProBus Probe Adapter
HVD3102A	1kV, 25 MHz High Voltage Differential Probe	Passive	
HVD3106A	1kV, 120 MHz High Voltage Differential Probe	PP022	500 MHz Passive Probe, 2.5mm, 10:1, 10 MΩ
HVD3106A-6M	1kV, 80 MHz High Voltage Differential Probe with 6m cable	PP024	500 MHz Passive Probe, 5mm, 10:1, 10 MΩ
HVD3206A	2kV, 120 MHz High Voltage Differential Probe		
HVD3206A-6M	2kV, 80 MHz High Voltage Differential Probe with 6m cable		
HVD3605A	6kV, 100 MHz High Voltage Differential Probe		

MAUI - Superior User Experience

- Drag and drop to copy and setup channels, math functions, and parameters
- Quickly enable new channel, math or measure with “Add New” button
- Turn off a trace with a flick of a finger
- Multi-touch gesture support

Powerful, Deep Toolbox

- WaveScan™ search and find
- LabNotebook™ report generator
- Spectrum Analyzer Mode
- Jitter and Timing Analysis

Exceptional Serial Data Tools

- Highest performance triggers
- The best serial decoder and table
- Measure/Graph tools for validation efficiency
- Eye Diagram and Physical Layer Testing
- QualiPHY compliance packages