

Unbelievably Powerful. Insanely Easy.

500 MHz – 4 GHz

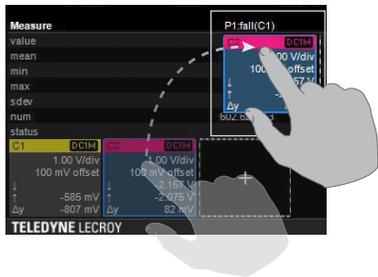


Key Specifications

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



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

ZS1000	1 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe
ZS1500	1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe
ZS2500	2.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe
ZS4000	4 GHz, 0.6 pF, 1 MΩ High Impedance Active Probe

Differential

ZD200	200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ±20 V
ZD500	500 MHz, 1.0 pF Active Differential Probe, ±8 V
ZD1000	1 GHz Active Differential Probe
ZD1500	1.5 GHz Active Differential Probe
AP033	500 MHz, Active Differential Probe (±1, ±10, ±100)
D410-A-PB2	WaveLink 4 GHz, 2.5 Vp-p ProBus2 Differential Probe
D420-A-PB2	WaveLink 4 GHz, 5 Vp-p ProBus2 Differential Probe
D400-A-AT-PB2	WaveLink 4 GHz Diff. Amplifier Module with Adjustable Tip

High Voltage Differential

HVD3102A	1kV, 25 MHz High Voltage Differential Probe
HVD3106A	1kV, 120 MHz High Voltage Differential Probe
HVD3106A-6M	1kV, 80 MHz High Voltage Differential Probe with 6m cable
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

High-Voltage

HVP120	100:1 400 MHz 50 MΩ 1 kV High-voltage 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	30 A; 50 MHz Current Probe – AC/DC; 30 Arms; 50 Apeak Pulse
CP030A	30A, 50 MHz High Sensitivity Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 1.5 meter cable
CP031	30 A; 100 MHz Current Probe – AC/DC; 30 Arms; 50 Apeak Pulse
CP031A	30A, 100 MHz High Sensitivity Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 1.5 meter cable
CP150	150 A; 10 MHz Current Probe – AC/DC; 150 Arms; 50 Apeak Pulse
CP500	500 A; 2 MHz Current Probe – AC/DC; 500 Arms; 700 Apeak Pulse
DCS025	Deskew Calibration Source for CP030, CP030A, CP031, CP031A, AP015, CP150, CP500
CA10	Programmable Current Sensor to ProBus Adapter for use with third party current sensors
TPA10	TekProbe to ProBus Probe Adapter

Passive

PP022	500 MHz Passive Probe, 2.5mm, 10:1, 10 MΩ
PP024	500 MHz Passive Probe, 5mm, 10:1, 10 MΩ

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