

## Unbelievably Powerful. Insanely Easy.

500 MHz – 4 GHz



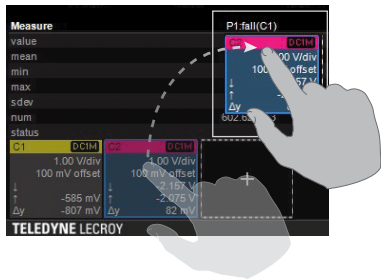
### Key Specifications

<b>Bandwidth</b>	500 MHz, 1 GHz, 2.5 GHz, 4 GHz
<b>Resolution</b>	8-bit ADC resolution, up to 11-bit with enhanced resolution
<b>Channels</b>	4
<b>Memory</b>	Up to 128 Mpts
<b>Sample Rate</b>	Up to 40 GS/s
<b>Digital Channels</b>	16
<b>Digital Sample Rate</b>	1.25 GS/s
<b>Minimum Pulse Width</b>	2 ns
<b>Display</b>	12.1" Wide TFT-Active Matrix with high resolution touch screen
<b>Connectivity</b>	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
- **Superior User Experience** – Most unique touch features on any oscilloscope
- **Mixed Signal** – 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
- **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

For more information, please contact:



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 8000 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 8054 / WaveRunner 8054-MS	500 MHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 8104 / WaveRunner 8104-MS	1 GHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 8254 / WaveRunner 8254-MS	2.5 GHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 8404 / WaveRunner 8404-MS	4 GHz	4 / 4+16	32 Mpts	20 GS/s
WaveRunner 8254M / WaveRunner 8254M-MS	2.5 GHz	4 / 4+16	128 Mpts	40 GS/s
WaveRunner 8404M / WaveRunner 8404M-MS	4 GHz	4 / 4+16	128 Mpts	40 GS/s

### Available Probes

#### Single-Ended

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

#### Differential

<b>ZD200</b>	200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ±20 V
<b>ZD500</b>	500 MHz, 1.0 pF Active Differential Probe, ±8 V
<b>ZD1000</b>	1 GHz Active Differential Probe
<b>ZD1500</b>	1.5 GHz Active Differential Probe
<b>AP033</b>	500 MHz, Active Differential Probe (±1, ±10, ±100)
<b>D410-PS</b>	WaveLink 4 GHz, 2.5 Vp-p Differential Probe System
<b>D420-PS</b>	WaveLink 4 GHz, 5 Vp-p Differential Probe System
<b>D400A-AT</b>	WaveLink 4 GHz Diff. Amplifier Module with Adjustable Tip

#### High Voltage Differential

<b>HVD3102</b>	1kV, 25 MHz High Voltage Differential Probe
<b>HVD3106</b>	1kV, 120 MHz High Voltage Differential Probe
<b>HVD3206</b>	2kV, 120 MHz High Voltage Differential Probe
<b>HVD3206-6M</b>	2kV, 80 MHz High Voltage Differential Probe with 6m cable
<b>HVD3605</b>	6kV, 100 MHz High Voltage Differential Probe

#### Differential Amplifiers

<b>DA1855A</b>	1 Ch, 100 MHz Differential Amplifier
<b>DA1855A-PR2</b>	2 Ch, 100 MHz Differential Amplifier with Precision Voltage Source

#### High-Voltage

<b>HVP120</b>	100:1 400 MHz 50 MΩ 1 kV High-voltage Probe
<b>PPE4KV</b>	100:1 400 MHz 50 MΩ 4kV High-Voltage Probe
<b>PPE5KV</b>	1000:1 400 MHz 50 MΩ 5 kV High-Voltage Probe
<b>PPE6KV</b>	1000:1 400 MHz 50 MΩ 6 kV High-Voltage Probe

#### Current

<b>CP030</b>	30 A; 50 MHz Current Probe – AC/DC; 30 Arms; 50 A <sub>peak</sub> Pulse
<b>CP030A</b>	30A, 50 MHz High Sensitivity Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 1.5 meter cable
<b>CP031</b>	30 A; 100 MHz Current Probe – AC/DC; 30 A <sub>rms</sub> ; 50 A <sub>peak</sub> Pulse
<b>CP031A</b>	30A, 100 MHz High Sensitivity Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 1.5 meter cable
<b>CP150</b>	150 A; 10 MHz Current Probe – AC/DC; 150 A <sub>rms</sub> ; 50 A <sub>peak</sub> Pulse
<b>CP500</b>	500 A; 2 MHz Current Probe – AC/DC; 500 A <sub>rms</sub> ; 700 A <sub>peak</sub> Pulse
<b>DCS015</b>	Deskew Calibration Source for CP031, CP031A, CP030, and CP030A
<b>CA10</b>	Programmable Current Sensor to ProBus Adapter for use with third party current sensors
<b>TPA10</b>	TekProbe to ProBus Probe Adapter

#### Passive

<b>PP022</b>	500 MHz Passive Probe, 2.5mm, 10:1, 10 MΩ
<b>PP024</b>	500 MHz Passive Probe, 5mm, 10:1, 10 MΩ
<b>PP066</b>	7.5 GHz Low Capacitance Passive Probe (±10, 1 kΩ; ±20, 500 Ω)

## 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