

# Stroud Systems, Inc

Providing Material Testing Solutions Since 1962

## Avenger



ALL NEW Productivity Features	
SplitScan: A-Trace & B-Scan	AutoTrack: Tracking Zoom Window
SplitView: Dual Timebase A-Trace	Other Features Include:
User Friendly, Cursor Driven, Plain Text Menus	Thickness & Amplitude Gating
EASY Grip Aluminum Sealed Case	7"H x 3.25"W x 1.4"D
Encoded & Scrolling AmpScan & B-Scan	Embedded Probe Library
2 MByte Data Logger	Scrollable "SpreadSheet" View
High Speed Scan Mode	Single Point Calibration
2 Point Calibration	300Hz Rep Rate!!
High Speed LCD Display	Only 3 'AA' Batteries
RS-232 I/O	Optional USB
English / Metric	Backlight



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<p><b>Display:</b> 240 x 320 Graphic (2.3"W x 3.1"H) Backlight - On / Off / Auto with reading Last reading hold</p>	<p><b>Probe Select:</b> Single / Dual Element Probe Library Selection</p>
<p><b>SplitView:</b> (Handheld Industry First) Main Trace Window: 100 - 10% in 10% Incr. Split View Window: 10% - 100% in 10% Incr. as a Function of Main Trace Window Size</p>	<p><b>Damping:</b> - 8 Damping Levels 22 - 2K Ohms</p>
<p><b>SplitScan:</b> (Handheld Industry First) Display A-Trace and B-Scan Simultaneously</p>	<p><b>Alarm:</b> LED Thickness High, Lo or High/Lo</p>
<p><b>AutoTrack:</b> (Handheld Industry First) When in SplitView, Second Window Displays a Zoom View of the Main A-Trace which Tracks The Echo Being Measured Screen Freeze Mode</p>	<p><b>I/O:</b> RS-232 I/O: Download data from logger Optional USB Connectivity</p>
<p><b>Physical:</b> 3.25" Wide X 1.4 Deep X 7" Long All Aluminum with gasketed end caps</p>	<p><b>Memory:</b> 2 MegaBYTE data logger. 30+ character alpha numeric identification of files. Store 20,000+ Data Points with Waveforms &amp; B-Scans</p>
<p><b>Range:</b> 0.005" - 20" Total incorporating 40" Delay Resolution - 0.0001" •Inch/mm selectable</p>	<p><b>Operational Modes:</b> Single/Dual/Angle/Contact/Delay</p>
<p><b>Velocity Range:</b> 0.0490 to .9999 in/us • fully adjustable.</p>	<p><b>Gates:</b> Contact - IP-1st, 1st-2nd Permits Through Paint Delay/Bubbler/Immersion IP Blocking, IF Blocking, IF-1st, 1st-2nd Echo Blk POS or NEG Gating DAG Optional</p>
<p><b>Calibration:</b> Range, Delay, Velocity &amp; Zero</p>	<p><b>B-Scan Features:</b> 'T' Scan - Time encoded 'B' Scan (Scrolling) Encoded B-Scan</p>
<p><b>Pulser / Receiver:</b> Up to 300Hz Rep Rate, Unique and Adjustable IP Suppression Mode</p>	<p><b>Power Requirements:</b> Operates on 3 AA Alkaline or NiMH Batteries • Charger &amp; Batteries Included</p>
<p><b>Display Mode:</b> RF, +HW, -HW, FW</p>	<p>Transducers, cables and accessories are available for almost any application</p>
<p><b>GAIN:</b> User selectable gain 66dB with 96dB Attenuation • 500Khz - 20MHz</p>	<p>Plastic carry case included</p>
	<p>CE Approved Manufactured in facilities meeting ISO9001 manufacturing processes</p>

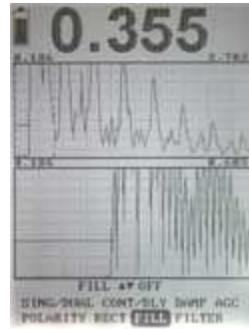
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### **SplitView:**

SplitView is Dual Timebase feature allowing the user to view the full range of the area under inspection in one window while at the same time presenting the user with a resizable second window. The second window has a separately adjustable, Range and Delay. The second window can be fixed a a specific place in time or set to automatically track (AutoTrack) an echo over a predefined level. SplitView also provides the ability to resize the top to bottom window proportion. For instance, the top window can be set to 10% of the available active display while the lower window would be 90%. SplitView can be turned off to use the entire screen for a single large waveform display.



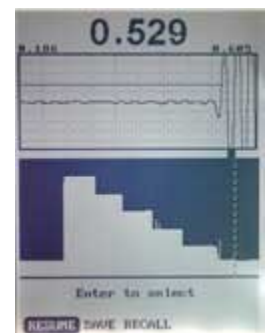
### **SplitScan:**

SplitScan is a operating mode allowing the user to view the active waveform while performing a Real Time B-Scan, wether timed or encoded. The feature gives the user positive feedback and identification of indications such as corrosion and pitting in real time.



### **AutoTrack:**

AutoTrack is a feature where the second window has a separately adjustable, Range and Delay. The second window can be fixed a a specific place in time relative to the main upper window or set to Automatically Track (AutoTrack) an echo over a predefined level. While in AutoTrack, the echo being tracked will display in the center of the lower window regardless of the actual place it is in time. This features allows the user to easily view where on the echo waveform the gage is monitoring in a zoomed fashion.



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