

# Avenger EZ

Miniature Ultrasonic Flaw Detector



Featuring 3.9", 240x320 Display  
VERY Sunlight Readable!!

User Friendly, Plain Text Menus

Unique SplitView: Dual A-Trace

SplitScan: A-Trace & B-Scan

AutoTrack: Tracking Zoom Window

Thickness & Amplitude Gating

Weld Trig, Instant-Freeze, DAG

EASY Grip Aluminum Sealed Case

Encoded & Scrolling B-Scan

High Speed LCD Display

Embedded Probe Library

7"H x 3.25"W x 1.4"D

2 MByte Data Logger

High Speed Scan Mode

Single Point Calibration

2 Point Calibration

300Hz Rep Rate!!

3 or 6 'AA' Batteries

English / Metric

Backlight

USB I/O

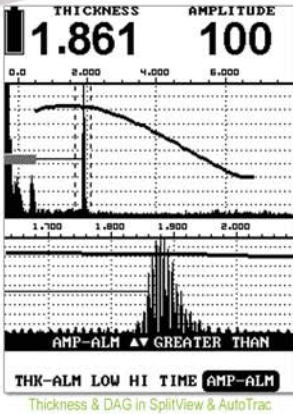


 **NDT Systems**  
Worldwide Excellence In Ultrasonics

# Avenger EZ

## Miniature Ultrasonic Flaw Detector

3.9" 240 x 320 Display  
SplitView: Atrace  
SplitScan: A-Trace & B-Scan  
AutoTrack: Auto Tracking Zoom  
Incredible Price !!



Bigger is not always better for a given application. The New AvengerEZ, Generation 2 defines a new standard for Ease of use, Performance, Features and Portability in a Miniature Handheld Flaw Detector. The AvengerEZ features Pulse Rep Rates up to 300Hz and a Display Update Rate better than 40Hz. With the introduction of NEW and Industry Leading Features including SplitView and SplitScan and AutoTrack the AvengerEZ represents the best features for the price available today. Storage for over 250 full screen scan sets and 100 Setups, each with a 30 character file name AND the ability to add up to 8 lines of 30 characters for inspection notes to the user!

The high speed, fully sunlight readable, backlit display offers a full Quarter VGA resolution. The resolution. The resolution of the display will appear to approach analog! User interface is via simple plain text menus located at the bottom of the display. Large numeric display zone offers full 7/16" high characters. ...Please call for more information.

### Specifications

Display: Full 240 x 320 (QVGA) Graphic (2.3"W x 3.1"H)  
Backlight - On / Off / Auto with reading Last reading hold

SplitView: (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

SplitScan: (Handheld Industry First)  
Display A-Trace and B-Scan Simultaneously

AutoTrack: (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 or Instant-Freeze Mode... Perfect for Spot Weld Applications

Physical:  
3.25" Wide X 1.4 Deep X 7" Long  
All Aluminum with Sealed and Rubberized end caps

Range: 0.4" - 340" Delay: 0 - 165" @ Full Range!  
Resolution - 0.001" • Inch/mm selectable

Velocity Range:  
0.0490 to .9999 in/us • fully adjustable.

Calibration: Range, Delay, Velocity & Zero

Pulser / Receiver: Up to 300Hz Rep Rate, Unique and Adjustable IP Suppression Mode

Display Mode: RF, +HW, -HW, FW

GAIN: 100dB

Frequency Range - 500Khz - 20MHz

Probe Select: Single / Dual Element

Probe ID Key (NDT Gaging Probes) or Probe Library Selection

Peak Echo Hold: Fixed or Unique Timed "Waterfall" reset

Damping: - 8 Damping Levels 22 - 2K Ohms

Alarm: LED Thickness High, Lo or High/Lo

I/O: USB Connectivity: Up and Download Setups and Data from logger

Memory: 2 MegaBYTE data logger. 30+ character alpha numeric identification of files. Store 250+ Waveforms & B-Scans

Operational Modes:  
Single/Dual/Angle/Contact/Delay

Gates:  
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

B-Scan Features:  
'T' Scan - Time encoded 'B' Scan (Scrolling)  
Encoded B-Scan (Optional)

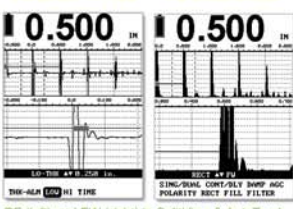
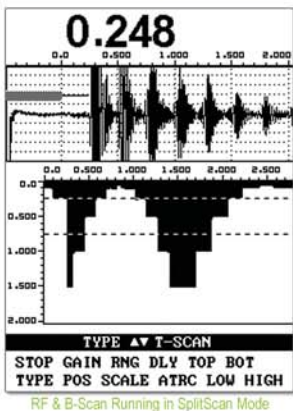
Power Requirements: Operates on 3 or 6 'AA' Alkaline or NiMH Batteries • Charger & NiMH Batteries Included

Transducers, cables and accessories are available for almost any application

Plastic carry case included

CE Approved

Manufactured in facilities meeting ISO9001 manufacturing processes



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Visa / MC Amex Accepted