

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

ALL NEW
Now Includes
Dual Gates

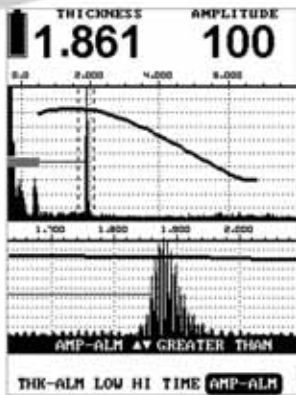
20 Point DAC
Available

 **NDT Systems**
Worldwide Excellence In Ultrasonics

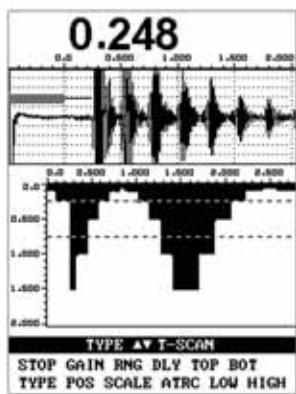
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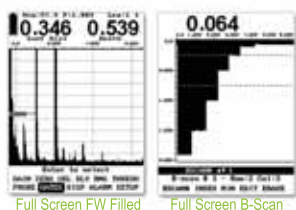
3.9" 240 x 320 Display
SplitView: Atrace
SplitScan: A-Trace & B-Scan
AutoTrack: Auto Tracking Zoom
DAC Now Optionally Available!
Incredible Price !!



Thickness & DAG in SplitView & AutoTrac



RF & B-Scan Running in SplitScan Mode

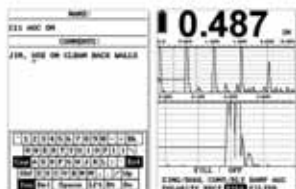


Full Screen FW Filled

Full Screen B-Scan



RF (left) and FW (right) in SplitView & AutoTrack



Screen Save Dialog

FW, SplitView, Hollow

Bigger is not always better for a given application. The New AvengerEZ, Generation2 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 - Freezes Screen When Gate
Level is Reached - **NEW!**

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
2 Gates - POS +/- or NEG Gating **NEW!**
DAG

DAC: - (OPTIONAL at time of order) **NEW!**
20 Point DAC - Manual or Auto Set - 40+ dB Dyn. Range

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

Authorized Representative

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Specifications subject to change without notice. (E & O.E.)