

RAPTOR

IMAGING FLAW DETECTOR

High Performance... Ultrasonic Flaw Detector and Full Imaging in one!

- Full 5.7" 640 x 480 - VGA
(FULLY SUNLIGHT VIEWABLE)
- FULL 60HZ Display Update
- 10 up to 5KHZ Rep Rate!!
- 50 - 450V @ up to 10,000ns
- Square and Spike Pulser
- RF, +HW, - HW & FW
- Live A, B & C Scan
- Dual Gates
- 20 Point DAC
- Up to 32GB SD Card Support
- Timed and Encoded B Scan
- SplitScan, SplitView
- AutoScan, AutoTrack
- Weld Trig
- Peak Echo Hold Screen Freeze & Store



**Full Featured Flaw Detector AND Imaging System
for the price of a STANDARD Flaw Detector**

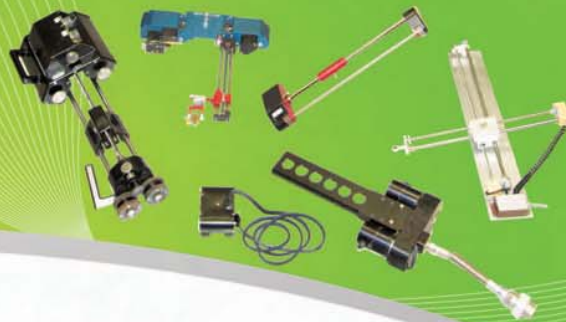
Ask about our new low cost, lightweight, battery powered
Scanners and other System Accessories!

NDT Systems
Worldwide Excellence In Ultrasonics

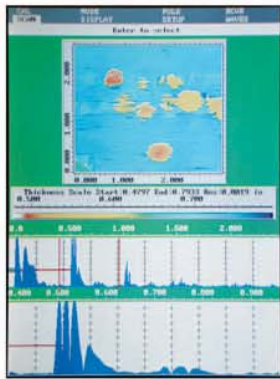
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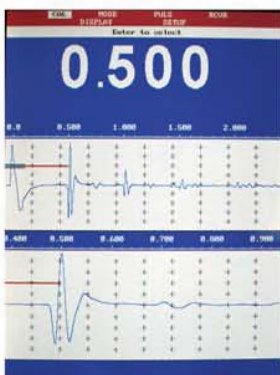
IMAGING FOR THE MASSES - At a PRICE anyone can afford !!



Corrosion Scan in FW SplitView & AutoTrack



Zoom to Spreadsheet Mode of Corrosion Scan



Raptor in Full ONLY Mode running in SplitView & AutoTrack



MMS2 - Mini Manual Hand Scanner features high resolution index capability. Can be ordered in a variety of sizes and interfaces DIRECTLY to the Raptor Imaging Flaw Detector Directly

The Raptor is an **All New category** in Ultrasonic Flaw Detectors. The Raptor is not only a fully contemporary high speed flaw detector BUT, also **INCLUDES** a Full Featured C-Scan Imaging system within the same package. Using three 32 bit microprocessors, the Raptor offers substantially more in capability than ANY conventional flaw detector from ANY competitor. Press the Flaw Mode key and the Raptor performs as any High Performance flaw detector would. Press the Imaging key and the Raptor becomes a full featured Flaw Detector AND Imaging System matching and in some cases exceeding the features of imaging systems costing more than \$40,000, at standard Flaw Detector prices!!

The Raptor supports manual scanners, our all new inexpensive, light weight Li-ion battery powered semi-automated scanners as well as the capability to support fully automated stepper or servo operated high speed, high resolution scanners via NDT Systems new external "DriveBox" interface. Why buy any "standard" flaw detector when you can rely on a company offering 35 years of ultrasonic innovation. The Raptor simply out-classes any flaw detector available today!

Specifications

Display: Full 480 x 640 (VGA) Graphic (3.4"W x 4.55"H)
New Technology Display and FULLY Sunlight Viewable

SplitView: (Handheld Industry First)
Size as a Function of Main Trace Window Size

SplitScan: (Handheld Industry First)
Display A-Trace and B or C 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

A, B and C-Scan imaging standard

Screen Freeze Mode or Instant-Freeze Mode... Perfect
for Spot Weld Applications

Physical:
5.75" Wide X 3" Deep X 9.5" Long - 5.6 lbs with Battery
All Aluminum with Sealed and Rubberized end caps

Range: 0.05" - 400" Delay: 0 - 165" @ Full Range!
Resolution - 0.0001"/0.001 • Inch/mm selectable

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

Calibration: Range, Delay, Velocity & Zero

Pulser / Receiver: Up to 10KHz Rep Rate, Spike and
Square Wave Pulser (50v to 400v and 5 to 10,000ns)

Display Mode: RF, +HW, -HW, FW - Hollow and Filled

GAIN: 100dB, Damping - 8 levels

Frequency Range - 500Khz - 20MHz

Tuning: 0.5, 1.0, 2.5, 5 and 10MHz

Probe Select: Single / Dual Element

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

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

Alarm: LED Thickness High, Lo or High/Lo, Amp +/- Level

I/O: USB 2.0 Connectivity

SD Card: Up to 32GB user removable Flash Card

Memory: 75MB On Board Memory (system & storage)

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 Bk
Amplitude: 3 Gates, Track IP, IF, previous gate. Alarm
POS or NEG Gating

20 Point DAC

Imaging Features:
A-Scan, B-Scan - Time encoded 'B' Scan (Scrolling)
Encoded B-Scan, C-Scan, SpreadSheet View,
Pan & Zoom, 3D, Histogram

Scanners: Manual, Semi-Automated and Fully auto-
mated scanners supported.

Power Requirements: Operates on one Li-ion Battery for
up to 8 hours while imaging! • Charger 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

ADVANCED NDT LTD

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