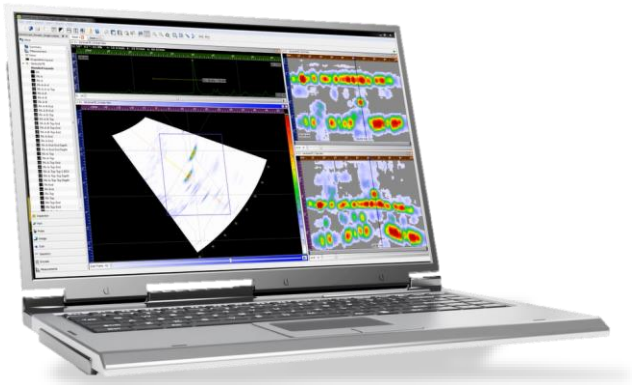
What's New In version 3.9

2015-11-04



STAY UP-TO-DATE !!

Sonatest recommends to upgrade your instruments & software to the latest release

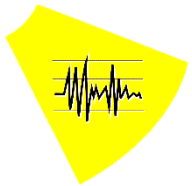
- 3.9 is the latest merged milestone version for the three Sonatest VEO, PRISMA & UTStudio advanced products.
- You will have access to the new features and functionalities to maximize your investment and productivity.
- You will benefit from the latest interface enhancements.
- 3.9 also specifically solves an important quantity of minor and major software bugs, Sonatest recommends to upgrade for a better user experience and maximize productivity.

Reference for New Features & Functionalities in this document

UT — Instrument Conventional UT enhancement

TOFD — Instrument TOFD enhancement

PA — Instrument Phased Array enhancement

 UTStudio software enhancement

Sonatest PRISMA & VEO family enhancements

UT

TOFD

PA

Surface distance excluding X-Offset

UT

- X-Offset correction
- Distance measurements from the front of the wedge

Recent Layout

UT

TOFD

PA

- Recent layout listing
- Manageable
- Up to 10 last layouts kept in memory

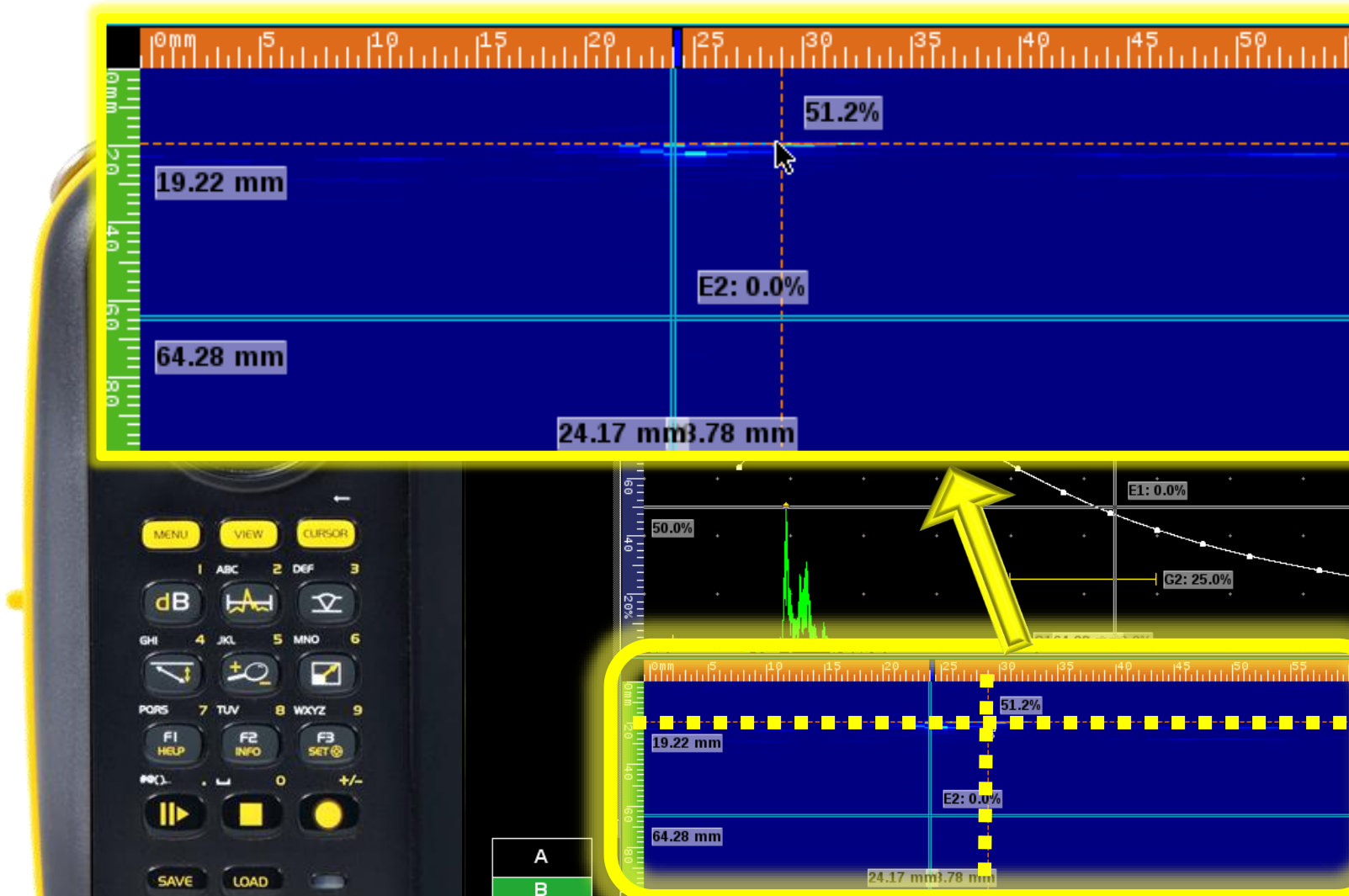
Cross-Hair Mouse

UT

TOFD

PA

- Available when a mouse is connected
- No need for additional analysis cursors



Software Development Kit now available with 3.9

UT

TOFD

PA

Integrator proprietary software developed using Amotus SDK (1 license / company)

Solution / System site PC + Amotus DLL (1 license / PC)

Sonatest instrument + Amotus USB connectivity key for data acquisition (1 key / unit serial #)

http://www.amotus.ca/sonasdken.php

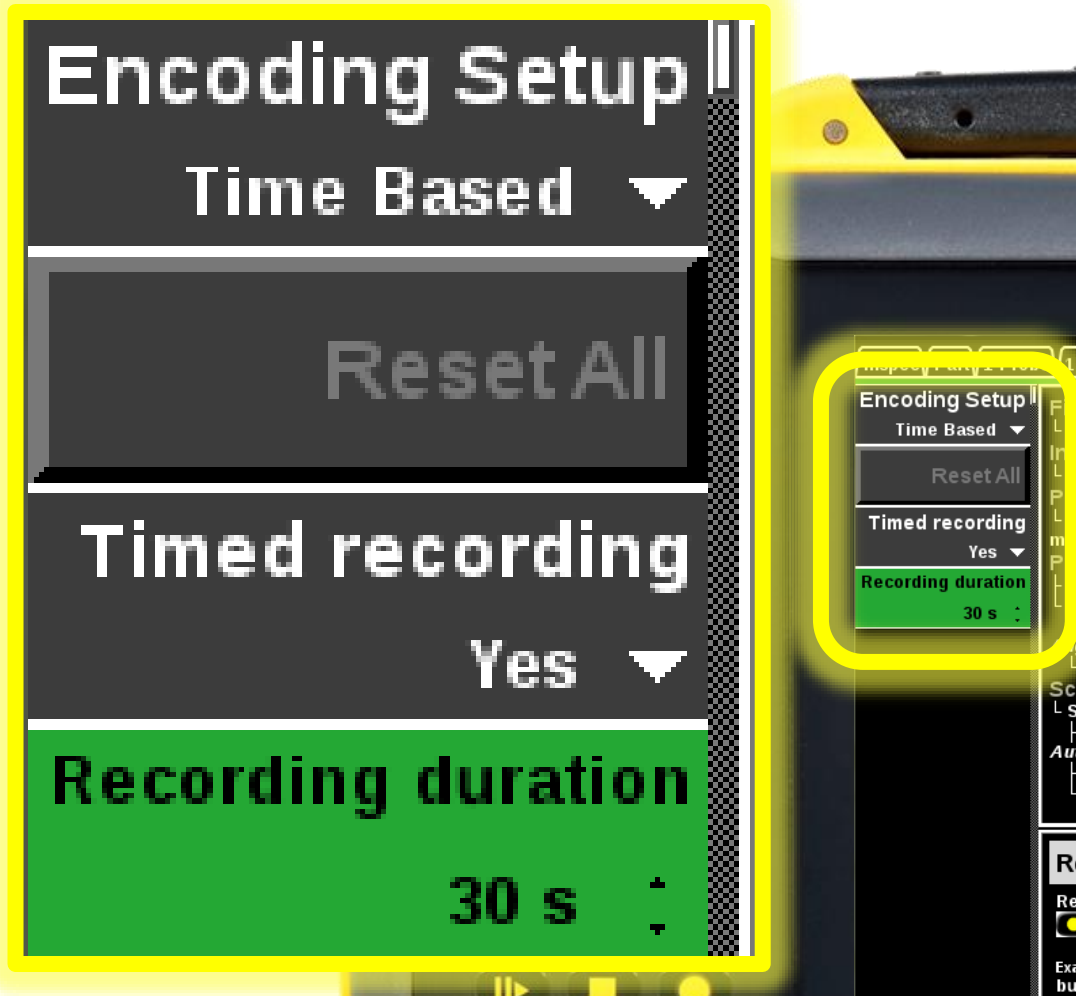
Encoder Time-based Recording + Duration Parameter

UT

TOFD

PA

- Set a maximum recording or target encoding
- Useful for demo or test without encoder
- Example:
  30 FPS * 30s
  = 900 Frames



Auto-Hide Menu Enhancements

UT

TOFD

PA

- Full screen mode
- Use the large veo & prisma screens
- Multiple bug fixes

About Window
Screen capture available for support

UT

TOFD

PA

- Support Add-on
- System State of the Machine Capture

List of Prisma & VEO new features & functionalities

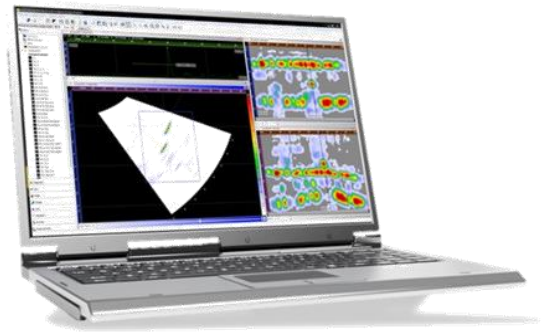
UT

TOFD

PA

- G-389 Recent layout now available
- G-261 Amotus SDK external app launcher
- G-139 New inspection wizard - change S-Scan start angle 35°
- G-118 Set fixed aspect ratio to false on L-Scan (now wide by default)
- G-109 Change default measure in the measurement bar
- G-64 Add a new measurement from wedge (to include X offset as per D-Series)
- G-53 Update all Layouts / Templates / Examples / New Inspection Wizard
- G-43 Place gate start at 25 mm or 25% in A-scan as default value
- G-38 Crosshair mouse in views of UTDATA file
- G-36 Time-Based recording - Add duration parameter
- G-35 Missed frames should appear in record view in long scan
- Several improvements to the "auto-hide menus" feature
- Various stability & performance optimizations / fixes

UTStudio
optimizes your workflow!



Steps on UTStudio

Steps on instrument

1 Setup

2 Calibration

3 Inspection

4 Reporting

5 Post Analysis

Setup Calibration Inspection Reporting Post Analysis

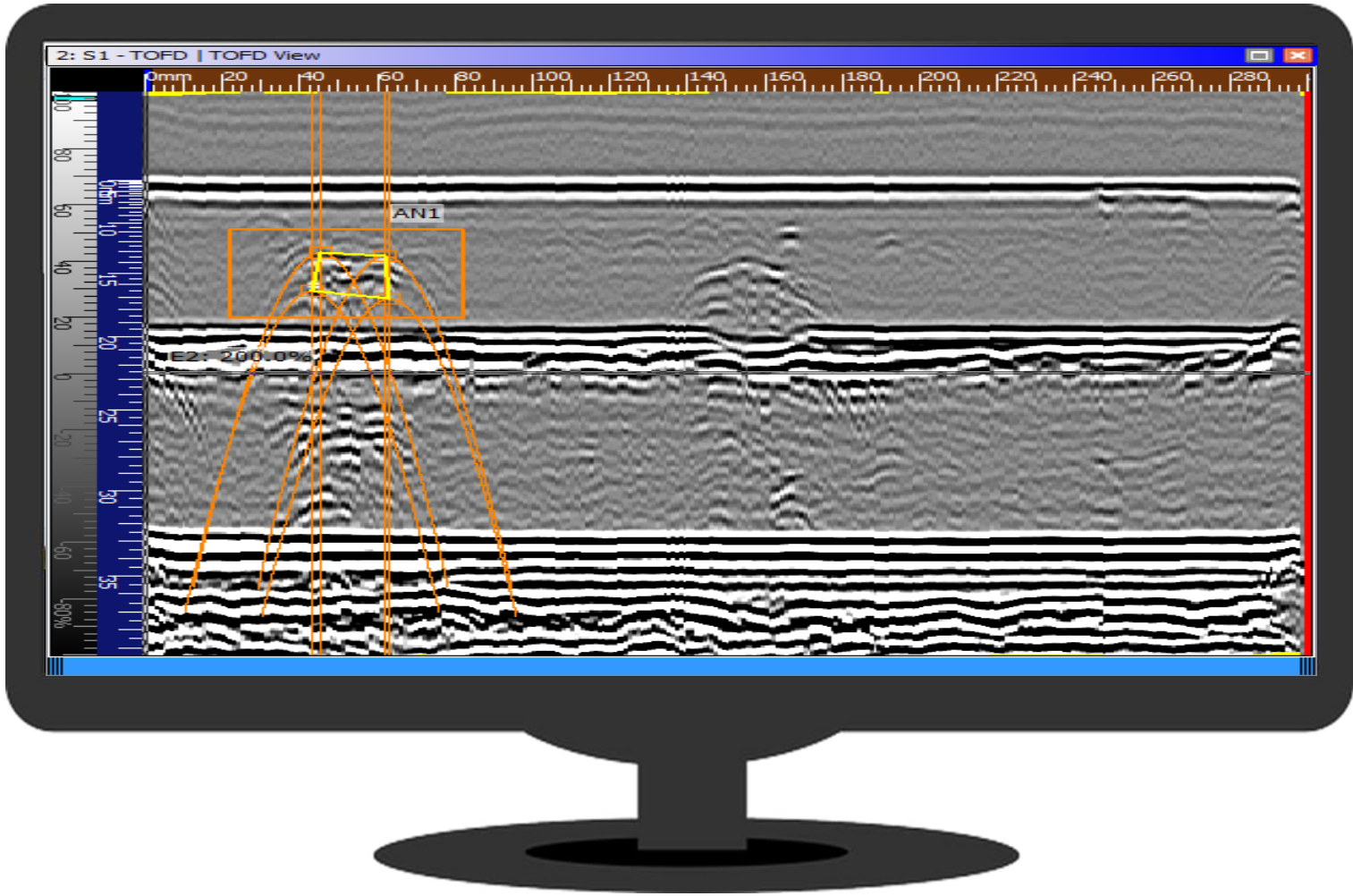
TOFD Annotations

We Make It Simple

To activate:

1. Box flaw zone
2. Place hyperbolic cursors around defective zone
3. Will be automatically calculated :
   - Depth
   - Scan Distance
   - Area

TOFD



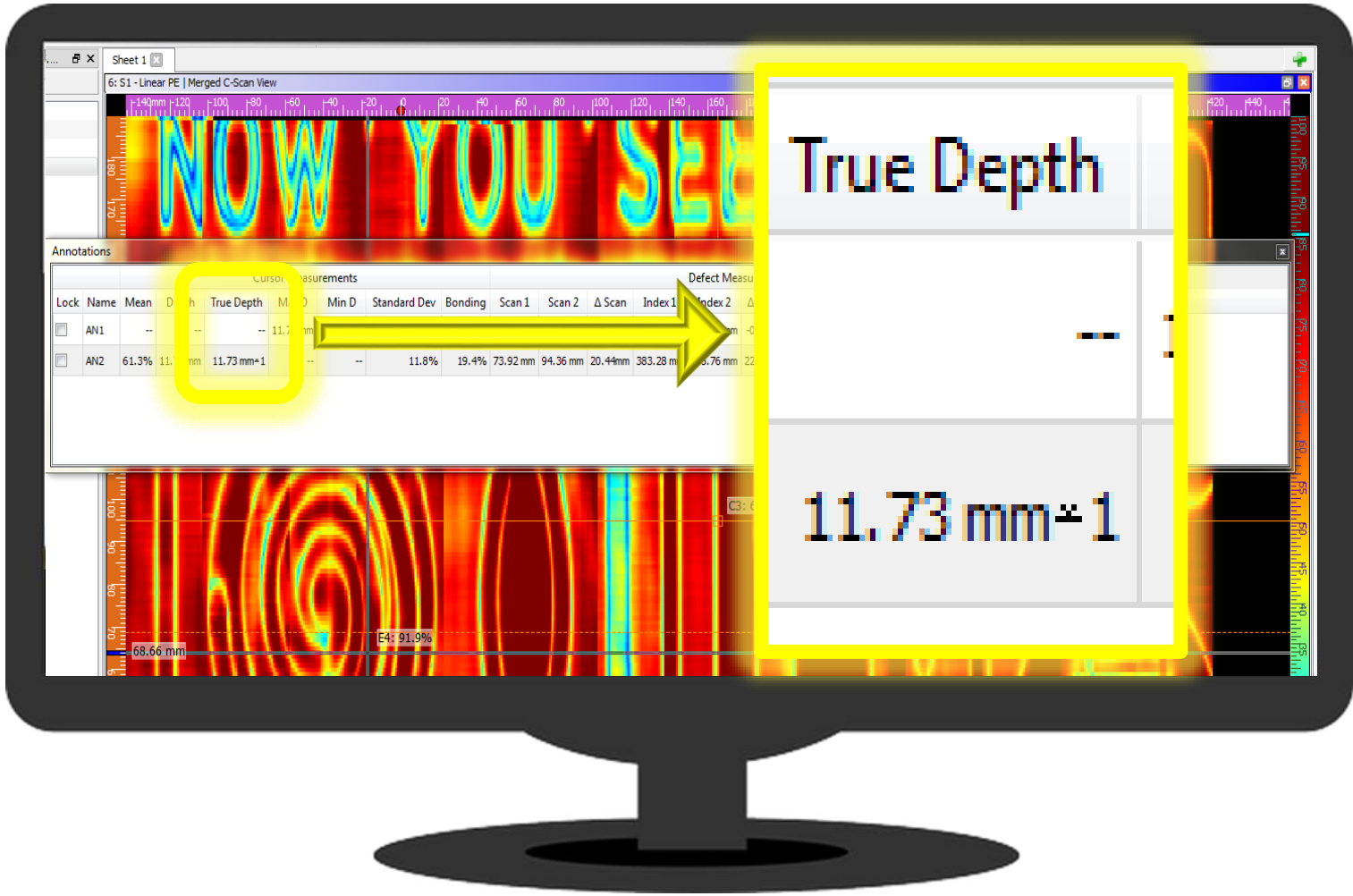
True Depth Annotation

UT

TOFD

PA

- New annotation measurement available
- Now able to show thickness measurement according to part skips



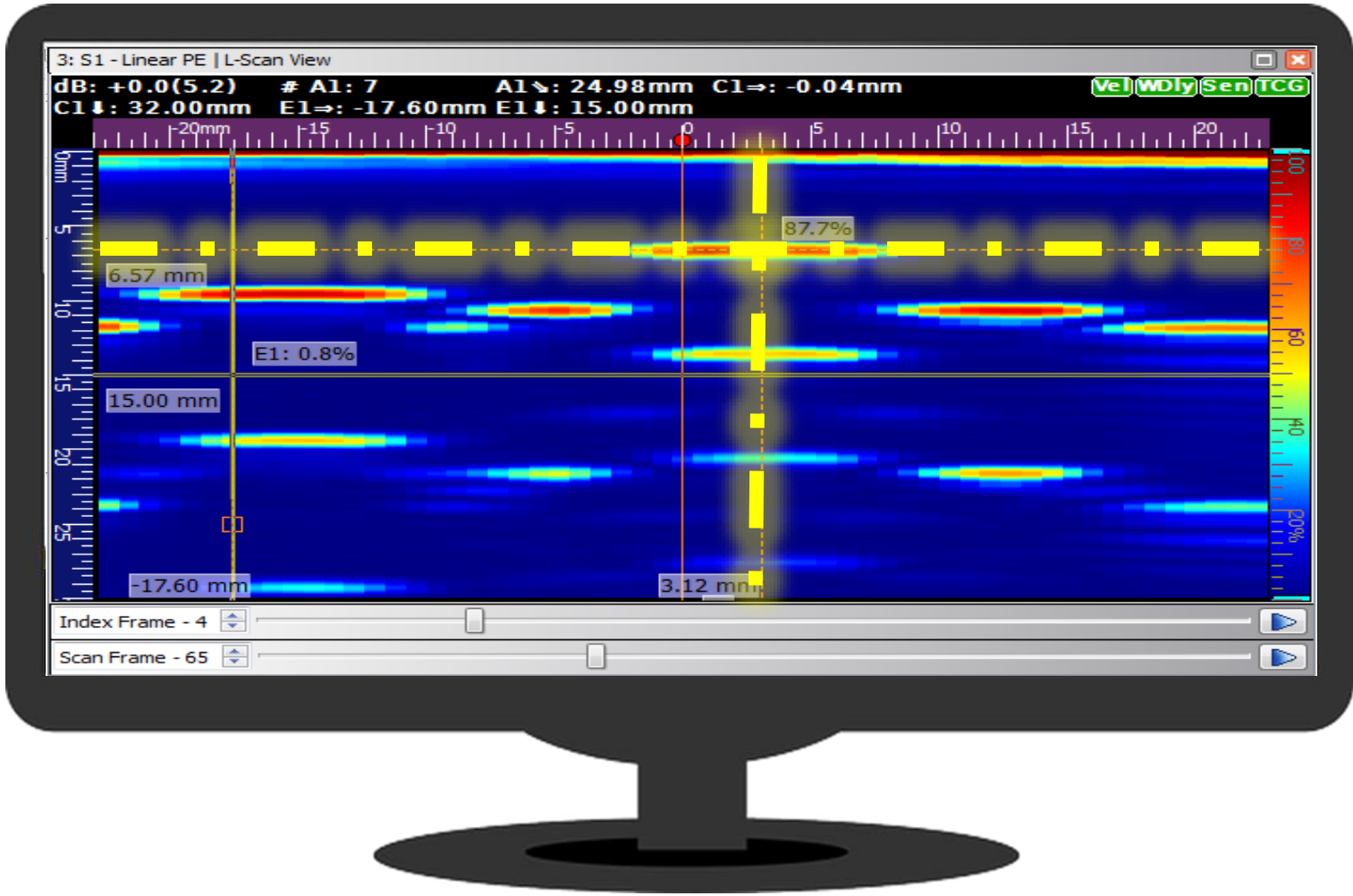
Cross-Hair Mouse

UT

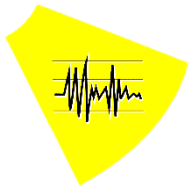
TOFD

PA

- No need for additional analysis cursors
- Activated when mouse goes over the view
- Display % or depth according to view



List of UTStudio new features & functionalities



UT

TOFD

PA

- G-139 New inspection wizard - change S-Scan start angle 35°
- G-118 Set fixed aspect ratio to false on L-Scan (now wide by default)
- G-79 Add real depth data to annotation table
- G-64 Add a new measurement from wedge (to include X offset as per D-Series)
- G-53 Révision Layout / Templates / Examples / New Inspection Wizard
- G-41 Use hyperbolic cursor for annotations in TOFD
- G-38 Crosshair mouse in views of UTDATA file
- Various stability & performance optimizations / fixes

PROTECT YOUR INVESTMENT

ALWAYS BE UP TO DATE
BENEFIT FROM LATEST IMPROVEMENTS
MAXIMIZE CAPABILITIES & PRODUCTIVITY