UTStudio 3 Public Manifest

February 15, 2018

Minimum System Requirements

- Pentium 600-megahertz (MHz) processor or faster

- At least 2 gigabytes (GiB) of RAM

- At least 250 megabytes (MiB) of available space on the hard disk

- One of the following operating systems:

  - Windows XP (32-bit version with Service Pack 3 installed)
  - Windows Vista (32- or 64-bit version)
  - Windows 7 (32- or 64-bit version)
  - Windows 8 or 8.1 (32- or 64-bit version)
  - Windows 10 (32- or 64-bit version)

Feature	Viewer	Standard
Add or reduce software gain to a scan for better defect discrimination & sizing		X
Create a new configuration (.utcfg) file or modify & save modifications to an existing one		X
Export an A-Scan waveform to be re-called on an instrument as a reference (Reference A-Scan)		X
Export raw data to a CSV format for advanced or custom analysis purpose		X
Generate useful automatic measurements defect annotations		X
Produce automatic reports with a selection of defect measurements & scan parameters		X
Read configuration (.utcfg) files (for review or analysis)	X	X
Read data (.utdata) files (for review or analysis) • Generate A-B-C-D-L-S-Scan & Top-Side-End-TOFD views • Adjust gate, cursor & color palette settings • Add gates & cursors for sizing & measurements • Create multiple sheets (layout work space) for analysis	X	X
Save modifications (view, gate, cursor, color palette... settings) to a data (.utdata) file		X
Save & recall a custom sheet (view, gate, cursor, color palette... settings) for better productivity		X
Support 32 bit & 64 bit Windows operating system (XP-Vista-7-8-10)	X	X

UTStudio can open data (.utdata) & configuration (.utcfg) files from these devices:

- Veo+, Veo & Prisma (same version & any previous versions)

UTStudio (Standard only) manages (create, modify save) configuration (.utcfg) files that are compatible with these devices:

- Veo+, Veo & Prisma (same version & any later versions)

Important Application Notice (only UTStudio 64 bit)

To upgrade an existing UTStudio 32 bit license to a 64 bit version :

1. Install the new UTStudio 32 bit version first, this will register the license to a proper place for 64 bit OS.

    (a) If your PC OS is Windows 10, go in the about window of UTStudio and copy license ID and Password.

2. Uninstall UTStudio using the standard Windows program removal tools.

3. Install the UTStudio 64 bit version.

    (a) If your PC OS is Windows 10, re-activate using license ID and Password copied at step 1.

If question, contact Sonatest service center for a detailed procedure.

2018-02-16 UTStudio 3.19.4

New Features

None, follows other products' software version ID.

2018-02-16 UTStudio 3.19.3

New Features

None, follows other products' software version ID.

2018-02-01 UTStudio 3.19.2

New Features

116 Updated phased array probes and wedges database

2017-12-16 UTStudio 3.19.1

New Features

061 Updated phased array probes and wedges database

2017-11-24 UTStudio 3.19.0

New Features

None

Fixed Issues

779 Fix invalid file handle messages pop-up for Windows installation/update

2017-09-27 UTStudio 3.18.12

New Features

869 New Czech is now a supported language

876 Improvements for CSV export

930 UT wedge & probe database update

934 New X0 low profile probes and wedges series has been added to the database

Fixed Issues

789 Fix Cartesian cursor not showing true depth measurement in certain views

2017-05-05 UTStudio 3.17.11

New Features

378 Configuration Report according to ASME/API/AWS standards

Fixed Issues

695 Fix UtStudio not refreshing when loading utdata file with 2 sheets or more

740 Compatibility issues with files created in version 3.8.2 or earlier

757 Fix Compatibility issues for UTdata files recorded in version 3.11.x and older

2017-04-20 UTStudio 3.16.2

New Features

None, follows other products' software version ID.

2017-03-21 UTStudio 3.15.4

New Features

434 New Scrolling C-scan in encoded view

735 Updated Translation for all languages

Fixed Issues

029 Cartesian cursor not showing true depth measurement

Known Issues

740 Compatibility issues with files created in version 3.8.2 or earlier

2017-01-26 UTStudio 3.14.3

New Features

None, follows VEO+ and Prisma software version ID.

2016-10-25 UTStudio 3.13.3

New Features

2227 New installer for UTStudio, requires to remove old version prior to installation.

2165 TOFD Gate measurements improvement

Known Issues

1495 If PC is upgraded to Windows 10, sometime it resets UTStudio License | WA contact Sonatest service with license ID number.

595 GPIO config lost when utcfg saved from UTStudio

2016-09-16 UTStudio 3.12.7

New Features

1697 New ezDGS functionalities: curve importation from GE probe (single & twin crystal probes)

1569 New PA natural focal mode (no-focusing)

2005 New UI language: Japanese + updates on other languages

1952 Remove existing integrated wedge when loading a probe without a wedge

Fixed Issues

2000 UTStudio reports doesn't list the right product

2017 Correct the Max dB Ref in Annotation measurement

2024 UTStudio uses lots of CPU

642 Change the default value for Elmt Diameter of a mono circular probe

Known Issues

1495 If PC is upgraded to Windows 10, sometime it resets UTStudio License | WA contact Sonatest service with license ID number.

595 GPIO config lost when utcfg saved from UTStudio

2016-06-22 UTStudio 3.11.7

New Features

440 New example files for PA-CSC (software option)

1671 New UTDATA, UTCFG, PDF, IMAGE icons

1799 New layout implementation

Fixed Issues

638 Code doesn't accept mono refracted at angle 90°

1651 CSV EXPORT - UTStudio - Not all scan exported

1789 Errors in UTStudio Measurements tab

1798 Cross Hair cursor doesn't show the measurement at its intersection in many views

Known Issues

1495 If PC is upgraded to Windows 10, sometime it resets UTStudio License | WA contact Sonatest service with license ID number.

595 GPIO config lost when utcfg saved from UTStudio

335 Wrong maximum amplitude value in L-scan annotation area for non-rectified signal

280 Measures in Part References don't consider Encoding Area offset + rotation

49 When wedge is reference, error in distance between C and E cursors on merged C-scan

2016-05-02 UTStudio 3.10.11

Fixed Issues

90 Error in FL calculation - Beam exit point outside wedge

2016-04-21 UTStudio 3.10.10

New Features

1476 Update for multiple OS security fixes.

1584 New layout for 5 Scan that includes a B-Scan.

Fixed Issues

1397 Mono DAC interface.

1514 UTStudio files icons.

2016-03-15 UTStudio 3.10.8

New Features

- UTStudio 64 bits now available, good for very large file size applications.

- Update on terms of many language options.

- License ID is now available from the about window.

- Addition of a new bank of Sonatest probes and wedges to the software database.

Fixed Issues

935 Create Scan distance over 1000 mm removes weld overlay.

809 Weld overlay drawing error if horizontal right.

336 Gates shown along angular cursor don't stay attached when unlink.

232 Graphical dimensions in 3D view are not exported in report.

331 Error or missing measurement when moving angular cursor with mouse.

839 Element Diameter correction for Phoenix Probe.

Known Issues

1495 Sometimes UTStudio license gets reset with windows 10 | WA contact Sonatest service with license ID number.

595 GPIO config lost when utcfg saved from UTStudio

589 Wrong proposed file name when exporting to csv from S-scan view

335 UTStudio: Wrong maximum amplitude value in L-scan annotation area for non-rectified signal

280 Measures in Part References don't consider Encoding Area offset+rotation

231 Redundant info in 3D view and wrong abbreviation used for focal distance

49 When wedge is reference, error in distance between C and E cursors on merged C-scan

2015-11-30 UTStudio 3.9.7

New Features

G-493 Annotation box out of bonds without measurements

2015-11-05 UTStudio 3.9.6

New Features

None, follows VEO and PRISMA software version ID.

2015-09-24 UTStudio 3.9.3

New Features

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 Revision Layout / Templates / Examples / New Inspection Wizard

G-41 Use hyperbolic cursor for annotations in TOFD

G-38 Crosshair mouse in views of UTDATA file

G-283 UTStudio: Correction of annotations table in French

G-275 UTStudio: not able to add comments to annotations

G-269 UTStudio crash when zooming in B-scan having annotation

G-244 X Offset is out of range

G-235 Peak indicator displayed at incorrect location

G-212 UTStudio: Change the Report Type tooltip message

G-208 File Name generation

G-206 UTStudio: Multiple errors in 3D Views

G-203 UTStudio: manipulating IFT gates issues when having more than one sheet

G-119 Angular box not correctly positioned in L/S scan.

G-98 Gate Width can be set to negative values

G-77 Make gate level adjustment rounded anytime

G-70 Add Hyperbolic Cursor spawns always towards bottom right

G-55 Minor measurements mistmatch between TOFD measure bar and TOFD view cursor

Known Issues

G-336 UTStudio: Gates shown along angular cursor don't stay attached when unlink

G-335 UTStudio: Wrong maximum amplitude value in L-scan annotation area for non-rectified signal

G-331 Error or missing measurement when moving angular cursor with mouse

G-280 Measures in Part References don't consider Encoding Area offset+rotation

G-277 UTStudio 3 should have a 64-bit version (a 64-bit version will be available with the next software release)

G-232 UTStudio: graphical dimensions in 3D view are not exported in report

G-231 Redundant info in 3D view and wrong abbreviation used for focal distance

G-49 When wedge is reference, error in distance between C and E cursors on merged C-scan

C-252 GPIO config lost when utcfg saved from UTStudio

C-250 Wrong proposed file name when exporting to csv from S-scan view

C-248 Change the default value for Elmt Diameter of a mono circular probe

2015-01-21 UTStudio 3.8.2

Revision 240c3562

Important Notice

UTStudio 3.8.2 can open data (.utdata) and configuration (.utcfg) files from these devices:

- Veo (all versions) Prisma (all versions)

UTStudio 3.8.2 produces configuration (.utcfg) files that are compatible with these devices:

- Prisma (3.8.2 and later) Veo (3.8.2 and later)

Fixed Issues

#7168 The wedge delay cursor now uses the same distance units as the ruler.

#7064 If the layout only contains 'config' elements (3D, summary, measurements), we now warn the user that it is not a supported feature.

#7040 Fixed crash when exporting PA view to CSV.

#6656 Removed some unneeded version mismatch warnings.

#6650 Fixed a memory leak that could have degraded the user experience over time.

Minor UI improvements.