UTstudio+ Public Manifest

October 13, 2023

Recommended System

- Intel® Core™ i7 processor or faster

- 16 gigabytes (GB) of RAM

- 256 gigabytes (GB) SSD hard disk

- One of the following operating systems:

  - Windows 7 (64-bit version)
  - Windows 8 or 8.1 (64-bit version)
  - Windows 10 (64-bit version)

Feature Matrix	**UTstudio+**	**UTview**
ACTIONS ON A SONATEST UTDATA (data file)		
Generate HIGH-RESOLUTION TFM IMAGES from an FMC scan.	X	
Improve defect discrimination and sizing using SOFTWARE GAIN.	X	
Generate automatic measurements with the defect ANNOTATION BOX.	X	
Select measurements, scan parameters and images to generate automated and CODE-COMPLIANT REPORTS.	X	
Export an A-SCAN WAVEFORM to be re-called as a reference on another data set (REFERENCE A-SCAN).	X	
EXPORT RAW DATA to a csv format for advanced or customized analysis and reporting.	X	
Create and re-call PREFORMATED ANALYSIS TEMPLATE SHEET to speed-up similar or recurrent utdata analysis (BATCH ANALYSIS).	X	
Here are some of the standard and advanced data analysis tools: • SHOW FMC-TFM-A-B-C-D-L-S scan views • SHOW TOP-SIDE-END-TOFD views • CREATE CUSTOMIZED SHEETS (layout work space) for analysis • MODIFY gate, cursor position & color palette settings • ADD gates and cursors for sizing & measurements	X	X
SAVE ALL THE ACTIONS MENTIONNED ABOVE in a utdata files.	X	
ACTIONS ON SONATEST UTCFG (configuration file)		
CREATE NEW UTCFG configuration files.	X	
MODIFY and MANAGE existing UTCFG configuration files.	X	
OPEN and REVIEW parameters of an existing UTCFG configuration.	X	X

Software Compatibility

- The Sonatest UTstudio+ and UTview are compatible with following instruments:
  - VEO+
  - PRISMA

- UTstudio+ and UTview are not compatible with first generation VEO16:64 and VEO16:128 (yellow enclosure). For these instruments, use the previous generation of UTstudio Standard and Viewer software (version 3), available at www.sonatest.com.

2023-10-14 UTstudio+ 4.5.5

New Features

4730 GE SEB4-0-E DGS probe has been added.

4774 Probe and wedge database updated. It fixes some dimensions.

4789 New multiscan acquisition layouts. Some get small scrolling top views for coupling check purposes.

4793 128E WP2 utprobes and examples files have been added.

Fixed Issues

4587 TOFD Lateral Wave Straightening is fixed.

2023-01-17 UTstudio+ 4.5.4

New Features

None, follows other products' software version ID.

2022-11-26 UTstudio+ 4.5.3

New Features

None, follows other products' software version ID.

2022-03-17 UTstudio+ 4.5.2

New Features

None

Fixed Issues

4567 It fixes data issues with IFT and C-scan views.

Known Issues

4289 Touchscreen PCs are experiencing view refresh issue. Mouse events work around the issue.

2021-10-22 UTstudio+ 4.5.1

New Features

None

Fixed Issues

4557 Any valid TFM apertures beyond the 65th element now work.

Known Issues

4289 Touchscreen PCs are experiencing view refresh issue. Mouse events work around the issue.

2021-10-12 UTstudio+ 4.5.0

New Features

2828 The user can import focal laws under the inspection tab.

3644 .law filename is displayed in the Inspection tab.

3650 Utstudio+, Veo+ and Veo3 supports .law (and .pte) CIVA files.

4309 The custom focal law persists when you reload that utcfg.

4331 It is possible to set a custom focal law in UTstudio+.

4412 There is a unique color to each TFM scan. The TFM scan tab colour is the same as its TFM ROI box.

4426 For an ezDGS probe, you can now edit its refracted angle.

4436 Top and End views get new extraction resolution parameters. (Under view properties)

4448 The interface uses ROI (Region of Interest) terminology. ("ZOI" has been replaced by "ROI")

4459 6T and 7T propagation modes have been added. (also available in TFMi scans)

4461 New X6BW flat .utwedge files.

4469 New D1B flat wedges.

4535 There are new X2B probes and wedges.

4183 Utstudio+, Veo+ and Veo3 supports .law ES BeamTool files.

4390 New TFMi scan type: Product operator.

4402 Faster ROI computing; Spinner included.

Fixed Issues

4314 Cartesian cursors in MC-scan view: Index and scan position readings fixed.

4396 Curved surface inspection in conventional UT; The user must manually update the "Contact Surface" parameter.

4400 Unsaved IFT culling and circular ruler parameters are fixed.

4490 Extra image sensitivity levels: 32x and 64x. (exclusive to product TFMi)

4499 UTstudio+ s

Known Issues

4289 Touchscreen PCs are experiencing view refresh issue. Mouse events work around the issue.

4557 Any valid TFM apertures beyond the 65th element do not work.

2021-04-07 UTstudio+ 4.4.0

New Features

3688 Update of the D1S probe dimensions

3950 New 5T TFM propagation mode

Fixed Issues

3616 CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

3687 New probe in UTstudio+ have all elements activated by default

3717 TCG curve interpolation improvement when a TCG point is outside of the scan

4223 Pulse width value of the MSEB4 probe has been updated.

2020-09-01 UTstudio+ 4.3.0

New Features

3723 New Probes and Wedges have been added to our data base

2020-01-24 UTstudio+ 4.2.6

New Features

3719 Additionnal layout on 3 linear scans set up.

Known Issues

3616 CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

2019-06-21 UTstudio+ 4.2.4

New Features

None, follows other products' software version ID.

Known Issues

3616 CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

2019-03-28 UTstudio+ 4.2.3

New Features

None, follows other products' software version ID.

Known Issues

3616 CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

2019-03-12 UTstudio+ 4.2.2

New Features

3653 Low profile X0AW wedge dimensions update

Fixed Issues

3614 B-Log representation is the same as B-Scan

Known Issues

3616 CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

2018-11-22 UTstudio+ 4.2.1

New Features

3182 Add WP2 New Encoder Configuration File (update Tick/s)

3527 Integration of the User Manual in UTstudio

3577 NEW Palette synchronization tool !

3641 Include now Starc and TStarc UT probe file in the internal database

3642 New ezDGS Karl Deutsch Probes added in internal database

3250 Update D1S Probes Models

3254 Width dimensions up to date on D1A wedge series

Known Issues

3614 B-Log representation is the same as B-Scan

3616 CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

2018-10-17 UTstudio+ 4.2.0

New Features

2052 Maximum cursor and annotation quantity now fixed to 60

3324 New automated contouring for improved visualisation of defective zone

Known Issues

3625 UTview displays feature not available message when load utdata

2018-04-26 UTstudio+ 4.1.0

New Features

2048 UTstudio+ is now a 64 bits software only

2454 Linear Scan elements resolution can now be set by user

3002 New TFM imaging solution and tools for UTstudio+

3117 New look and feel for UTstudio+

3135 Updated Translation for all languages

3157 New option to hide gates ID information in the A-Scan view

3162 Updated Help Files

3185 Increase probe number limitations for multiscan configuration

3193 Tabs and icons look & feel update

3211 Old veo16 (yellow veo) data file won't be compatible with UTstudio+