Prisma Public Manifest

December 17, 2024

Important Upgrade Notice

- Use the "Prefs -> System Update" option to start the installation of the **prisma_update_X.Y.Z.img** update file.

- PRISMA units using version 3.10 and above cannot be downgraded to a version below 3.8.1.

- When upgrading to 3.8.2 and above for the first time, the time zone preference will be lost and needs to be set again.

  - In the **Prefs** tab, go to the **System** section.
  - Select **System Date/Time** and press **OK**.
  - Choose the correct time zone.

2024-12-03 Prisma 4.5.7

New Features

4828 Russian language now available as standard and no longer requires an activation code.

Fixed Issues

4882 Fix the issue with measurements values from annotation boxes done on non-rectified (RF) signal.

2024-07-31 Prisma 4.5.6

New Features

None, follows other products' software version ID.

2023-10-14 Prisma 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.

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

Fixed Issues

4587 TOFD Lateral Wave Straightening is fixed.

2023-01-17 Prisma 4.5.4

New Features

None

Fixed Issues

4684 Fix missing translations

2022-11-26 Prisma 4.5.3

New Features

4619 Correct HV error message to reduce confusion

4600 Improve HV error management

4673 Change in PA Filters specification

2022-03-17 Prisma 4.5.2

New Features

None

Fixed Issues

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

Known Issues

3700 Bottom Right Row probe element layout is fixed using the wedge angle wizard.

2021-10-22 Prisma 4.5.1

New Features

None, follows other products' software version ID.

Known Issues

3700 Bottom Right Row probe element layout is fixed using the wedge angle wizard.

2021-10-12 Prisma 4.5.0

New Features

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

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

4461 New X6BW flat .utwedge files.

4495 The Wedge Angle Wizard check has been moved to the Wedge tab.

4535 There are new X2B probes and wedges.

Fixed Issues

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

4364 The part overlay "W" shortcut is fixed.

4366 Focus goes to the menus once you loaded a probe or a wedge.

4387 For curved surfaces geometries, the location of the probe in the 3D view, may sometimes be out of boundaries.

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.

Known Issues

3700 Bottom Right Row probe element layout is fixed using the wedge angle wizard.

2021-04-07 Prisma 4.4.0

New Features

3688 Update of the D1S probe dimensions

4308 New Xpair update

Fixed Issues

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

3694 TCG is not reset when the start path is moved beyond the first point

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 Prisma 4.3.0

New Features

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

3930 The welcome screen has been refurbished and is now offering the User's Template concept.

4092 For conventional UT configuration the T-loss functionality is now available for DAC/TCG calibration

2020-01-24 Prisma 4.2.6

New Features

3719 Additionnal layout on 3 linear scans set up.

3759 Addition of a new layout A1 S1 A2 S2 C3 A3 L3 S4 A4 S5 A5 L6 C6 A6

2019-06-21 Prisma 4.2.4

New Features

3705 Internal tools enhancement

2019-03-28 Prisma 4.2.3

New Features

None

Fixed Issues

3693 Internal tools enhancement

2019-03-12 Prisma 4.2.2

New Features

3653 Low profile X0AW wedge dimensions update

2018-11-22 Prisma 4.2.1

New Features

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

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

2018-10-17 Prisma 4.2.0

New Features

None, follows other products' software version ID.

2018-04-26 Prisma 4.1.0

New Features

2454 Linear Scan elements resolution can now be set by user

3135 Updated Translation for all languages

3162 Updated Help Files

3188 New option to ask to save configuration file before going to record mode

3193 Tabs and icons look & feel update

Fixed Issues

3125 Fix possibility to set thickness at less than 2mm for sectorial scan

2018-02-16 Prisma 3.19.4

New Features

None, follows other products' software version ID.

2018-02-16 Prisma 3.19.3

New Features

None, follows other products' software version ID.

2018-02-01 Prisma 3.19.2

New Features

116 Updated phased array probes and wedges database

Known Issues

708 Issues converting TCG to DAC with angulated wedge

2017-12-16 Prisma 3.19.1

New Features

061 Updated phased array probes and wedges database

Known Issues

708 Issues converting TCG to DAC with angulated wedge

2017-11-24 Prisma 3.19.0

New Features

None, follows other products' software version ID.

Known Issues

708 Issues converting TCG to DAC with angulated wedge

2017-09-27 Prisma 3.18.12

New Features

792 New PCS parameter is editable in play mode when using TOFD scan

862 New WIFI connection options available

869 New Czech is now a supported language

930 UT wedge & probe database update

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

Fixed Issues

448 Windows requests to scan USB after every use with instrument

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

806 Fix media browser not moving files properly

Known Issues

708 Issues converting TCG to DAC with angulated wedge

2017-05-05 Prisma 3.17.11

New Features

378 Configuration Report according to ASME/API/AWS standards

701 New Reload TCG/DAC curve feature when breaking calibration

751 New Option to hide documentation for training purposes

Fixed Issues

512 System asked to save file when pressing shutdown button

740 Compatibility issues with files created in version 3.8.2 or earlier

Known Issues

708 Issues converting TCG to DAC with angulated wedge

2017-04-20 Prisma 3.16.2

New Features

738 New Automatic Reset of Scan Axis for Circular parts

758 New Scrolling Merged C-scan in encoded view

Fixed Issues

744 Fix High Resolution problems on long scan axis

Known Issues

448 Windows requests to scan USB after every use with instrument

708 Issues converting TCG to DAC with angulated wedge

2017-03-21 Prisma 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

199 Data is not erased when using invert scan direction

489 DGS curve dissappearing on load configuration

592 Crash on save view data to .csv

635 Fix issue of lost calibration when boot on failsafe

Known Issues

448 Windows requests to scan USB after every use with instrument

740 Compatibility issues with files created in version 3.8.2 or earlier

2017-01-26 Prisma 3.14.3

New Features

568 Improved WiFi functionalities

2272 Prod Tools & Service Centers Improvements

Fixed Issues

2294 TCG Calibration breaking when dB ref is changed

616 Cannot rename folder after moving/copying file into it

1704 Rescue process to factory default cannot be completed properly

2026 Cannot move gates with IFT function activated

1387 File copied into a renamed folder is not listed

2016-10-25 Prisma 3.13.3

New Features

None

Fixed Issues

2165 TOFD Gate measurement improvement

Known Issues

32 File loaded from USB key cannot be saved after removing the key

40 Maximizing Merged C-scan view during acquisition clears the view

363 Wheel touch doesn't work while in velocity wizard - WA use arrows

236 In some occasion a split DAC vertical lines is not drawn - WA re-implement the DAC

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

2016-09-16 Prisma 3.12.7

New Features

1575 New automatic filenaming functionality

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

1569 New PA natural focal mode (no-focusing)

1715 New default FTP user name = ftpuser

1716 New default VNC password = password

2005 New UI language update: Japanese + updates on other languages

1952 Integrated wedge is now part of the wedge advanced parameters (yes/no)

2087 DAC to TCG is now available in SCAN menu (stop mode)

Fixed Issues

263 Reset all in Time-based should reset all data

406 Cross Hair Cursor doesn't move in S-Scan when moving the Mouse Cursor

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

779 Overlapped UI tabs in Hungarian, German, Japanese, Slovak

2025 We not supposed change dB during recording

2079 TCG curve cannot be edited after modifying the gain

1701 Cannot perform a rescue on Prisma

Known Issues

32 File loaded from USB key cannot be saved after removing the key

40 Maximizing Merged C-scan view during acquisition clears the view

363 Wheel touch doesn't work while in velocity wizard - WA use arrows

236 In some occasion a split DAC vertical lines is not drawn - WA re-implement the DAC

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

2016-06-22 Prisma 3.11.6

New Features

1671 New UTDATA, UTCFG, PDF, IMAGE icons

1543 Auto TCG sweep with skips

579 Now default weld angle value is 30° (used to be 45°)

1416 Wedge PA angle auto-calibration wizard

1448 Review of calibration breakers relations

57 If USB unplug it now deletes recent files link

1627 Change Radius for Diameter

1684 Add IFT culling option in the beginning of TCG/DAC Wizard

1738 Replace "New Inspection Wizard" by "Create New Configuration"

Fixed Issues

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

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

322 F3 reset shortcut doesn't work when 2D quadrature encoded and Timed Base

629 DGS Wizard Ends too fast

1615 Welcome screen - battery indicators are cut off

Known Issues

1701 Cannot perform a rescue on Prisma

40 Maximizing Merged C-scan view clears the view

363 Wheel touch doesn't work while in velocity wizard - WA use arrows

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

263 Reset all in Time-based should reset all data - WA make a manual reset

236 Sometimes split DAC vertical lines are not drawn

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

32 File loaded from USB key cannot be saved after removing the key

406 Cross Hair Cursor doesn't move in S-Scan when moving the Mouse Cursor

2016-05-02 Prisma 3.10.11

Fixed Issues

90 Error in FL calculation - Beam exit point outside wedge

2016-04-21 Prisma 3.10.10

New Features

1476 Update for multiple OS security fixes.

Fixed Issues

1394 Phased Array software option's integrity was revised

1397 Mono DAC interface.

2016-03-15 Prisma 3.10.8

New Features

Remote Access & Password (Prefs/Network) works now for both UTLink (VNC) and FTP (user is sonatest) connections.

Time Based (Encoding Setup) has been implemented with 4 levels (Low / Mid / High / Max).

AQR (acquisition rate) now displayed on the right corner instead of FPS.

Keep Meas. Bar (Prefs/Display) = YES by default on all new instrument (only apply in PLAY mode).

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.

274 Impose file size limit | Using UTStdudio 64 bit, file size is not a problem anymore.

936 (C-276) If zoomed in, views are altered when saving to a new setup from utdata.

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

592 Auto FSH in DGS wizard not accurate - WA adjust the gain manually

565 3D views improvement for P&C functionalities

40 Maximizing Merged C-scan view clears the view

363 Wheel touch doesn't work while in velocity wizard - WA use arrows

322 F3 reset shortcut doesn't work when 2D quadrature encoded - WA make a manual reset

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

263 Reset all in Time-based should reset all data - WA make a manual reset

236 Sometimes split DAC vertical lines are not drawn

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

32 File loaded from USB key cannot be saved after removing the key

1439 AQR indicator unespected behavior when having 2 TOFD scans

1541 Part Thickness and geometry index offset breaks calibration

2016-03-15 Prisma 3.9.7

New Features

None

Fixed Issues

G-499 Occasional USB detection problem

2015-11-04 Prisma 3.9.6

New Features

None, follows VEO and UTStudio software version ID.

2015-09-24 Prisma 3.9.3

New Features

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

Fixed Issues

Several improvements to the "auto-hide menus" feature

G-380 Problem with long press dB and signal without smoothing

G-420 Crash in save dialog after refusing file overwrite

G-374 Change default selected measurements in velocity wizard

G-373 Copy & overwriting a file in media browser will break it

G-355 Range path does cover all reflectors in TCG wizard

G-349 Correct the position of gates at the end of Velocity wizard

G-316 Extraction box becomes a point outside the scan area when switching layouts

G-291 Inspection Wizard, load Probe or Wedge remove HAZ in 3D view

G-244 X Offset is out of range

G-238 Grids don't cover all the maximized view when rulers aren't present

G-208 File Name generation

G-205 Dimensions not shown in 3D geometry views

G-189 BScan in utdata: cursor hard to move in one direction

G-171 Long press dB doesn't work well

G-169 Smooth scrolling is fragmented by every vertical line of the grid

G-159 Stop & Play increases the PA-view zoom aspect ratio

G-151 Faulty 3D view screenshots

G-147 L-scan view is zoomed in when the calibration wizard ends

G-138 Overlay inversed when scan view is inversed

G-131 S-Scan starting too high when fix aspect ratio = Yes

G-128 Cursor mouvement VS View Orientation.

G-127 Example_Conventional_Pitch_Catch.utcfg new probe

G-124 Mouse click on view doesn't hide the Auto-Hide menu

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

G-98 Gate Width can be set to negative values

G-89 TCG to DAC in PA adds point at start path for certain focal laws

G-77 Make gate level adjustment rounded anytime

G-71 If all gate are deleted in 1 Ascan, Gate button not work to change for other Gate

G-67 Ruler update problem

G-50 Minor phantom echoes in PA signal

G-46 Long press dB button shouldn't modify the gain when in Pause

G-42 L-scan view is not centered with less than 4 beams

G-37 Multiple pop-up if press power button more than 1 time.

G-34 Reset all position doesn't clear merged c-scan views

G-25 Long press dB key doesn't adjust gain in current gate

Known Issues

G-363 Wheel touch doesn't work while in velocity wizard

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

G-322 2D quadrature encoded & F3 shortcut

G-290 Long press Gate button, bring us to other cursor than Gate if not in A-scan

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

G-274 Impose file size limit

G-263 Reset all in Time-based should reset all (:

G-260 Critically Low Battery message hidden by the About window

G-236 Split DAC vertical lines are not always drawn

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

G-194 Probe & Wedge views are not displayed after saving screenshot with Plan view

G-57 Recent files stored on USB are grey after reboot

G-40 Maximizing Merged C-scan view clears the view

G-32 File loaded from USB key cannot be saved after removing the key

C-276 If zoomed in, views are altered when saving to a new setup from utdata

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

2015-01-21 Prisma 3.8.2

Internal versions

Software	OS(Yocto)	9233f6b1b934
	Application (eg3)	1a7adfc20474
Firmware		2.7.0
Hardware		Rev. C and D

Fixed Issues

7183 In conventional UT mode, the frame rate is now correctly adjusted based on the PRF.

7187 Performance improvements.

7175 Attenuator now properly switches at the expected threshold of 45.0 dB.

7056 The "Integration Tools" software option was renamed to "CSV Export" to better reflect what it does.

7107 Fixed possible crash when encoding around the end of the scan distance.

6729, 6982, 7068 Fixed several UI problems when using "Auto-Hide Menus" setting.
Also, the "Menu" button is now available when editing a value in a spinbox.

Known Issues

7202 When using the Sensitivity Wizard, pressing the Maximize button will cause the device to crash. The Maximize button is not useful in this context, so the workaround is to avoid pressing it.