

# Prisma Public Manifest

March 17, 2022

## 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.

## **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 disappearing 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 unexpected 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.