

UltraVision 3.9R20

Limitations and Remaining Anomalies

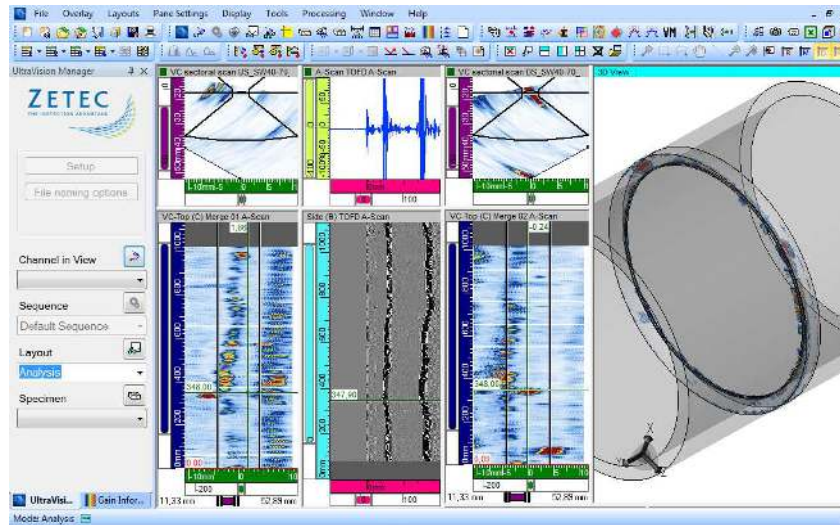


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IMPORTANT MESSAGE

UltraVision® Classic & Touch 3.9R20 is the latest UltraVision release for the UltraVision software. This new software version incorporates a series of new features and improvements as described in the *Product Bulletin* and *Technical Guidelines* documents.

Zetec is committed to the highest levels of product quality. Some limitations and remaining anomalies were detected during the validation campaign and are listed in this document.

If, when using UltraVision Classic or Touch 3.9R20, you detect any other limitations or remaining anomalies not included in this document, please contact us at Support-UTProducts@zetec.com. Detailed information about the problem will help our software team to expedite the correction process.

UltraVision Classic - Fixed Anomalies

Calculator - Wrong exit points on circular probe

Status:	Anomaly	B2868
Description:	When using a circular probe on a bar, exit points are not calculated well.	
Correction:	Corrected	

Calculator – Wrong parameters for 1D circular array

Status:	Anomaly	B2865
Description:	With a 1D circular array, the beam angle option is showing variables that should not be accessible.	
Correction:	Corrected	

Gates – Gate Position not updated

Status:	Anomaly	B2869
Description:	Gate position change sometimes does not accept the value or does not refresh the gate position lines in the sectorial view.	
Correction:	Corrected	

Gates – C-Scan views do not show data

Status:	Anomaly	B2873
Description:	Some of the C-Scan views do not show data, even if signal is crossing the gate.	
Correction:	Corrected	

Gates – Error in Position Strip of Differential Gates

Status:	Anomaly	B2861
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Description: If the user sets a differential gate (Gate1 - Gate 2), the C-scan of the differential gate seems to be correct while its position strip of yields erroneous values.

Correction: Corrected

Gates – Problem with position strip when Linear boxed is checked in

Status: Anomaly | B2992

Description: Related to B2991 when Linear checkbox is selected (Ultrasound Settings -> General).

Correction: Corrected

Calibration – Define reflector do not filter channel list properly

Status: Anomaly | B2932

Description: When defining a reflector (in the "Advanced" button section) even if a channel is checked out, the calibration tool still tries to use it for calibration.

Correction: Corrected

Calibration – Changing specimen change length of scanned data

Status: Anomaly | B2883

Description: Changing specimen change length of scanned data

Correction: Corrected

Firing Sequence – Parallel firing corrupts signals

Status: Anomaly | B2870 & B2890

Description: When using parallel firing (QUARTZ) sometimes signals can be desynchronized.

Correction: Corrected

QUARTZ - Data buffers desynchronization in multi-instruments configurations

Status:	Anomaly	B2871
Description:	Data buffer desynchronization can occur when channels are added/deactivated.	
Correction:	Corrected	

QUARTZ - Data buffers desynchronization in multi-instruments configurations

Status:	Anomaly	B2995
Description:	Signals in Echo trigger mode are not properly synchronized when using TCG curve in parallel firing mode.	
Correction:	Corrected	

QUARTZ - Gate crashes when checking Linear box in parallel firing

Status:	Anomaly	B2297
Description:	When checking the Parallelize Laws with the Linear box checked, it does not work.	
Correction:	Corrected	

ZIRCON DDF – Not possible to activate DDF function

Status:	Anomaly	B2977
Description:	When activating DDF, an error message appears.	
Correction:	Corrected	

Inspection sequence – Clicker button not available

Status:	Anomaly	B2860
Description:	When encoder is configured to Clicker, action button is not available in the inspection section	

Correction: Corrected

Assisted Analysis – Wrong sizing coming from NC VC views

Status: Anomaly | B2907

Description: When placing a sizing contour on an uncorrected view, the measurement done in the Volume Corrected View has an error.

Correction: Corrected

Analysis – 3D cursor gives wrong angle and skew information

Status: Anomaly | B2931

Description: When setting probe skews of 90 or 270, the measured values are referenced to the scan axis instead of the index axis.

Correction: Corrected

DYNARAY – Error on encoder positioning of data

Status: Anomaly | B2918

Description: When the encoder resolution * scan axis resolution is some "Round" number, the firing is not performed after the right number of steps. When the value is not a "round" value, the firing cycle is started accurately.

Correction: Corrected

UltraVision Touch - Fixed Anomalies

Lock Touch Button on TOPAZ64

Status:	Anomaly	B3216
Description:	On TOPAZ64, the lock touch screen button is not operational	
Correction:	It is now possible to use the lock screen button on the side panel to lock/unlock the touch screen.	

Support for F1/F2 button on TOPAZ64

Status:	Anomaly	B2549
Description:	It is not possible to use the F1/F2 buttons on the TOPAZ64.	
Correction:	F1/F2 buttons actions are now supported on TOPAZ64.	

TOPAZ64 does not act as a license to UV Touch for remote connection

Status:	Anomaly	B3073
Description:	It is not possible to use TOPAZ64 as a license to connect remotely to UV Touch PC.	
Correction:	TOPAZ64 now unlocks all UV Touch PC features.	

Problem with TCG manual modification

Status:	Anomaly	B3110
Description:	When manually modifying a TCG point, the modification is not applied to all focal laws.	
Correction:	Manual modifications are now applied to all focal laws.	

TOFD channel in combination with TFM channel

Status:	Anomaly	B3005
Description:	Using a TOFD channel in combination with a TFM channel is not working properly.	
Correction:	Fixed.	

UltraVision Classic - Limitations and Remaining Anomalies

Beam Simulation – Unexpected error when doing simulation in pitch & catch with a weld

Status:	Anomaly
Description:	Doing a beam simulation in phased array pitch & catch will return no simulation when the defined sample has a weld.
Bypass:	None.

TCG not available when using parallel channels configuration on Quartz

Status:	Anomaly
Description:	Default setting not coherent: Linear mode is set to active by default when selecting the TFM configuration thru the UT settings pane but is set to inactive by default if the TFM is set in the advanced calculator.
Bypass:	None.

UltraVision Touch - Limitations and Remaining Anomalies

TOPAZ64 - TFM High Resolution (1024 x 1024)

Status:	Limitation
Description:	In <i>TOPAZ-64/128PR-TFM HR</i> , the TFM Frame maximum size is temporary limited to 256K points (equivalent to 512x512 or 1024x254) instead of 1M points (1024x1024 or 2048x512). The full TFM Frame resolution will be available in the next UltraVision Touch release version.
Bypass:	None.

TOPAZ64 – FMC Data collection – Two snapshots in separate files

Status:	Anomaly	B3225
Description:	If a second Snapshot is saved after saving a first one, without making any other manipulation in the configuration, the FMC data file for the second Snapshot is not saved. Only the UVDData file is saved.	
Bypass:	Save multiple snapshots in the same FMC data file OR change configuration before saving a second snapshot in a different file.	

TOPAZ64 - TFM TCG calibration

Status:	Limitations	B3181
Description:	The TFM TCG calibration is not available in this software version	
Bypass:	A new software version will be released (date TBC) that will fix the TCG TFM calibration with a revamped operating mode.	

TOPAZ64 - TFM frequency filters not functional

Status:	Anomaly	B3175
Description:	All low pass filters in TFM configuration returns signal as none. All band pass filters in TFM configuration returns the same signal with no variation All high pass filters in TFM configurations returns a modified signal that's does not correspond to the numeric value of the filter.	
Bypass:	Do no use frequency filters with TFM configurations channels.	

Quality

All work is performed in accordance with ZETEC Quality standards program, which complies with 10CFR50 Appendix B, ISO 9001:2008 and ISO/IEC 17025:2005.



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