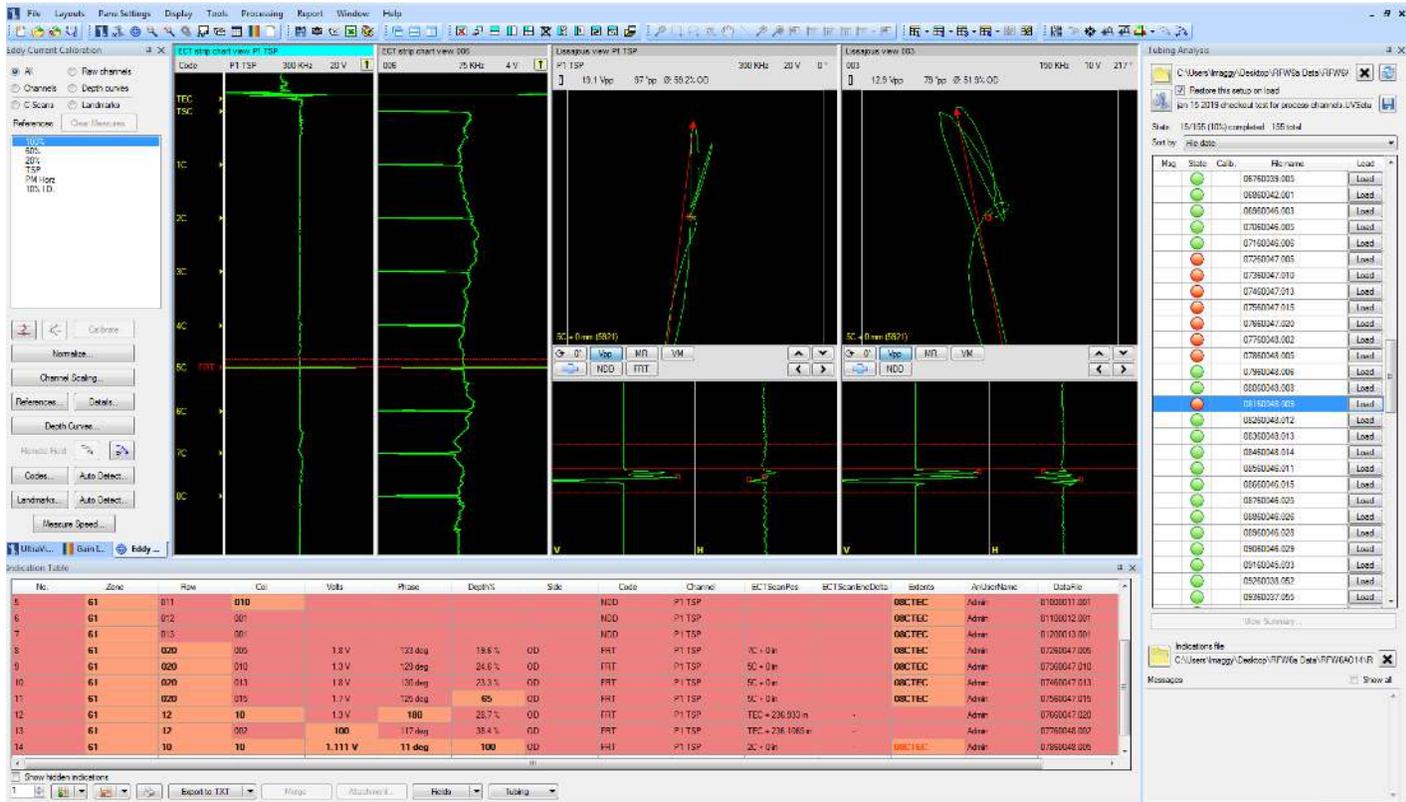


ULTRAVISION ET 3.9R19

Product Bulletin



UltraVision ET tubing analysis inspection package

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February 19th, 2019

UltraVision ET 3.9R19 Product Bulletin

Zetec has just released *UltraVision ET 3.9R19*. This software version can be used on a PC running Windows® 10 or Windows® 7. This product bulletin presents an overview of the new features and changes in this software version.

For downloading this or other UltraVision versions, please visit www.zetec.com

UltraVision 3.9R19 is available in two versions:

- **UltraVision ET 3.9R19** for 32-bit version: Note that only the (x86) UltraVision installer supports reading Velocity, MultiView, ECVision and MIZ-27/28 data files. Those data files can be opened and analyzed with UltraVision ET, but the setup information is not loaded.
- **UltraVision ET 3.9R19 (x64)** for 64-bit version

Purpose of UltraVision ET 3.9R19

UltraVision ET 3.9R19 is the standard upgrade for users of previous versions of UltraVision ET software. This software release includes several new features and improvements.

Zetec's hardware and software development process is performed according to a quality system that is certified ISO 9001-2015.

With this certified software development process, Zetec guarantees that changes between earlier UVET releases and UltraVision ET 3.9R19 have no consequences on the sensitivity and the accuracy of the recorded data or results processed by the software.

Calibration Tool Improvement

Calibration simplified

- Process channels can now be established through the CHANNEL SCALING selection in the Eddy Current Calibration pane.
- Process channel normalization of voltage is now built into the NORMALIZE VOLTS button in EDDY CURRENT CALIBRATION pane.
- Auto Landmark Location has been improved, with speed/sample rate measurements as well as selectable colors to denote the different detection types.

New Inspection Features

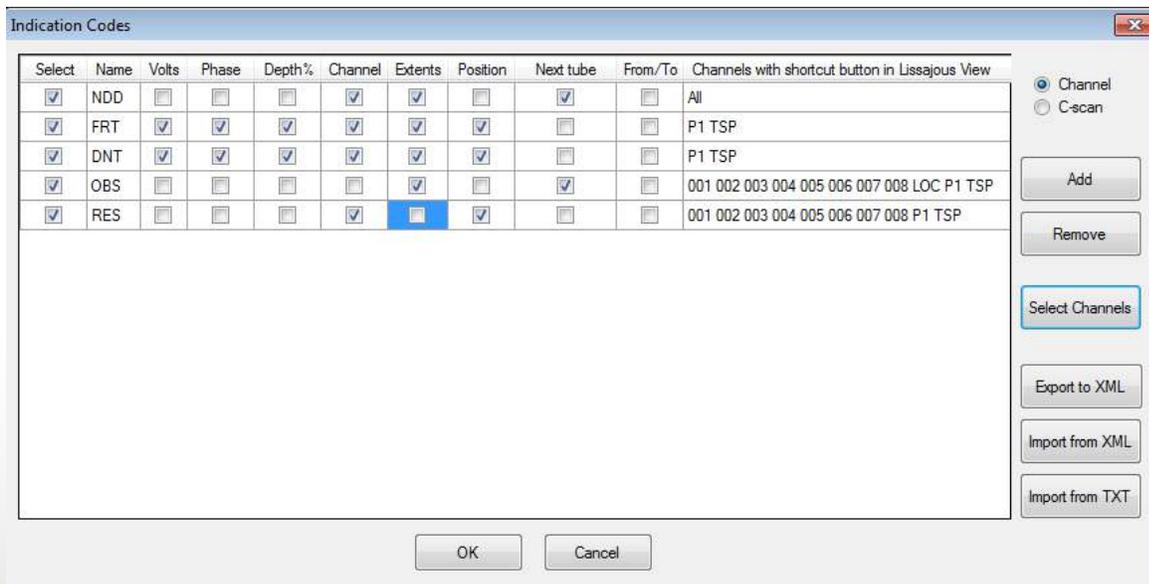
New analysis report scheme

It is now possible to save analysis results in one of two methods.

- The original method of one report for each calibration group still exists.
- New to this version is the ability to create a batch report of several calibration groups.

New 3 Letter Codes functionality

- 3 Letter codes capabilities have been updated to allow the user to customize codes to only enter specific information into the analysis report.



Defined positions for Landmarks and Indications in the strip chart

- The Landmark/Indications column located to the left of the long strip charts has been divided into two sections so that landmarks and called indications can now be separated in the display.

Significant updates to automatic locating of structures.

- The auto locating functionality has been enhanced to better support customers who hand pull their tubes instead of using a mechanical probe pusher.
- In the landmark detections screen there are now two options for locating method - Constant/Variable.
- The user can also use the new Measure Speed function to determine the average pull speed and sample rate from a data file. This information is sent to the locating function in UVET to assist the users in setting up the auto locating features.
- Ability to change the colors of the various detection locations has been added making it easier for the user to adjust a specific location parameter.
- Landmark calibration is now set through the Landmark radio button located in the eddy current calibration pane on the analysis screen.
- Rapid adjustment of mis-located structures, if a structure is mis-located, the user can manually label the correct structure and the software will automatically correct all remaining structures.

Percent completed function

In Analysis, the percent of the calibration group completed is now displayed at the top of the tube list.

Quick jump buttons

In Analysis, located beneath each Lissajous display, two quick jump buttons have been added.  When using landmark locations, these buttons permit the user to rapidly move from one support structure to the next.

Acquired data file display options.

There are now four options for how the acquired data can be displayed.

1. File name - uses the acquired tube name to display the data
2. File name reversed - inverts the previously displayed data
3. File date - **most commonly used**, puts all data in order based on the date and time stamp of the acquired files
4. File date reversed - inverts the function outlined above

Quick Action functionality

- Activated in the OPTIONS/EDDY CURRENT menu
- Permits single click snap to locations in the long strip chart
- Single click balance in the Lissajous window
- Ability to zoom/unzoom data using the middle mouse button in the long strip chart pane.

Normalize voltages updated

- Normalize now allows the user the ability to set/store voltage for process channels as well as raw channels.

Channel Scaling updates, Previously Raw Channels

- Channel Scaling now permits the creations of process channels from the same screen previously used for setting the rotations and spans for only the raw data channels.