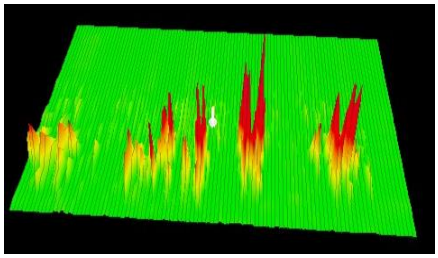
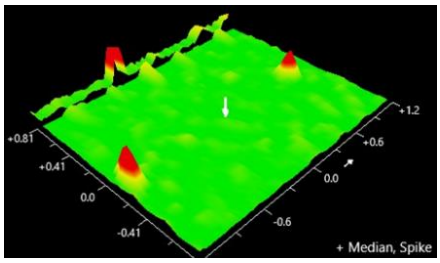
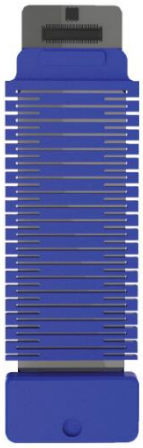
MIZ-21C SOFTWARE 1.1.1

Product Bulletin







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July 31st, 2019

MIZ-21C Software 1.1.1 Product Bulletin

Zetec just released *MIZ-21C Software 1.1.1*. This software version can be used on any MIZ-21C instrument but requires an update to the operating system and drivers, Full Flash Update (FFU) 1.1.1, which must be installed at Zetec. Please contact Zetec Customer Service at CustomerService@zetec.com for a return authorization number. This product bulletin presents an overview of the new features and changes in this software version.

MIZ-21C Software 1.1.1 has three application modes depending on the MIZ-21C model:

- **MIZ-21C-SF Models**: Conductivity and Coating Thickness, Sub-Surface, and Surface Cracks.
- **MIZ-21C Models**: Includes Bolt Holes.
- **MIZ-21C-ARRAY Models**: Includes Bolt Holes and Surface Array.

Purpose of MIZ-21C Software 1.1.1

MIZ-21C Software 1.1.1 is the standard upgrade for users of previous versions of MIZ-21C 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 MIZ-21C Software releases and MIZ-21C Software 1.1.1 have no consequences on the sensitivity and the accuracy of the recorded data or results processed by the software.

New Features in MIZ-21C Software 1.1.1

The following are the new features in *MIZ-21C Software 1.1.1*:

Surf-X Flex and Weld Probe Support

- The new Surf-X probes require MIZ-21C Software 1.1.1 for operation.
- These new surface array probes allow for modular use with different applications and expand the variety of inspections that can be performed.
- The original Surf-X array probe with integrated encoder is still supported.

Video Out via Wi-Fi Connection

- The MIZ-21C screen can now be displayed on a remote display using a Wireless Display Adapter (177A000-14) connected through Wi-Fi in the instrument.
- This allows for setting up training sessions where everyone in the room can see the MIZ-21C during live operation.

Full Two Finger Dynamic Touch Control

- The FFU 1.1.1 update to the operating system and drivers provides the full two finger dynamic control that is commonly associated with portable devices.
- Pinch and zoom will respond with real-time updates whereas before it would only update on release of the fingers.
- Two finger translate also responds with real-time updates whereas before it would only update on release of the fingers.

Faster Touch Input Display

- The FFU 1.1.1 update also includes faster touch responsiveness.
- The screen refresh has very little visible lag to touch input.

Japanese and Portuguese Languages Added

- The FFU 1.1.1 update includes the addition of two new language options: Japanese and Portuguese.
- Once the FFU update has been made then future software updates will get language improvements for both Japanese and Portuguese without requiring the unit to be shipped back to Zetec.

Real Time Clock Maintained While Powered Off

- The time and date previously would not maintain synchronicity while the unit was turned off. Now the real time clock is maintained during shut downs.
- This helps to keep time stamps of data and screenshots accurate.
- It also avoids having to manually correct the date and time so frequently.

Added Polar and Sector Alarm Areas

- An alarm option has been added that allows for circular sector alarms.
- The parameters can be adjusted to make it a complete circle down to the center or a slice of circle in a pie shape.
- The alarm can also be made in a full ring or a sector.
- Alarming can be set to out of zone or into zone like the box alarm.

Continuous Mode for High SNR Data

- A continuous mode has been added to all techniques that make for better signal to noise ratio.
- This is set as the default mode in all techniques other than array.

Added New to Industry SNR Filter

- A new filter has been added called the SNR Filter which eliminates noise while maintaining signals of interest unmodified.
- This is not a simple threshold filter. A threshold filter only keeps the portion of a signal above the threshold value. For a threshold filter with a setting of 1 volt, everything below 1 volt would be filtered. Therefore, if you had a 3 volt signal and a lot of noise less than 1 volt, the threshold filter will filter all the noise less than 1 volt and the portion of the 3 volt signal. Now the 3 volt signal will be 2 volts after the filter is applied. The new SNR filter with a setting of 1 volt will filter all the noise less than 1 volt, but it will leave the 3 volt signal unchanged as much as possible.
- There is a training video on the Zetec website showing an example of how the SNR filter works.
- One thing to note is if you have the SNR setting to “no limit”, then it will act exactly the same as the old spike filter which was previously on the product.

Higher Volume Audible Alarm with Volume Control

- The alarm has been updated to make a louder tone that still has full volume control.
- The frequency is also lower to make it easier for those who have high frequency hearing loss.

Downloading and Installing MIZ-21C Software 1.1.1

For this or other MIZ-21C Software versions, please visit MIZ-21C Download at www.zetec.com

To upgrade the MIZ-21C software from **1.0.9 or earlier** to the new 1.1.1 version the MIZ-21C must be shipped back to Zetec. Please contact Zetec Customer Service at CustomerService@zetec.com for a return authorization number.