


ZCorr Digital Leak Correlating Loggers

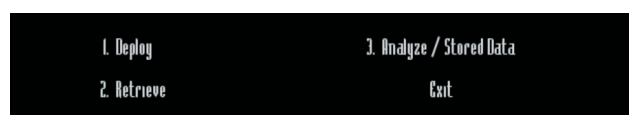
ZCorr Quick Reference Guide

This quick start guide provides the information to quickly obtain a leak correlation with the ZCorr Digital Leak Correlating Loggers.

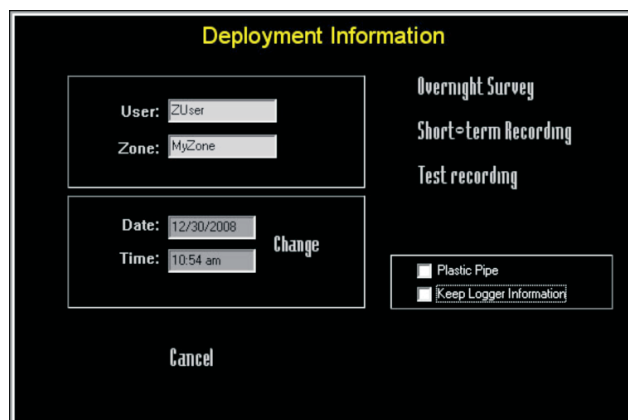
To Program the DCLs

Connect the ZCorr data cable from the docking station to the computer before you program the Digital Correlating Loggers (DCL).

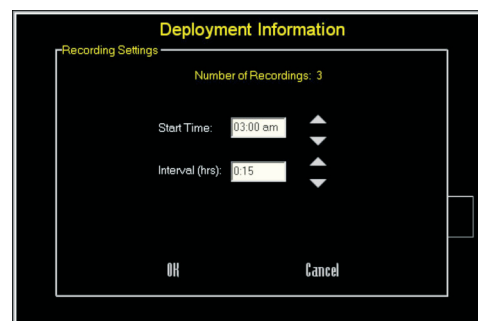
1.  Double-click the ZCorr icon on the desktop to open the ZCorr program.



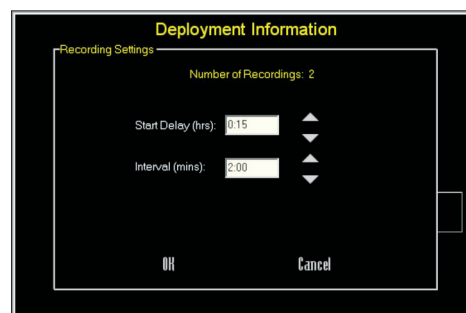
2. Click **Deploy**.



3. Enter user's name or initials to overwrite *ZUser*.
4. Enter location name to overwrite *MyZone*.
5. Select either **Overnight Survey** or **Short Term Recording**.



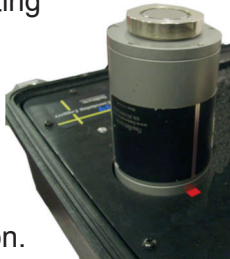
6. If you selected Overnight Survey, adjust the Start Time and the Interval (hrs). Click **OK**.



7. If you selected Short Term Recording, adjust Start Delay (hrs) and the Interval (mins). Click **OK**.

To Retrieve ZCorr Recordings

1.  Collect the Digital Correlating Loggers (DCL)

2.  Dock the DCLs into the docking station.

3. Connect the data cable to the computer.



4. Click **Retrieve**.
5. Click **OK**.

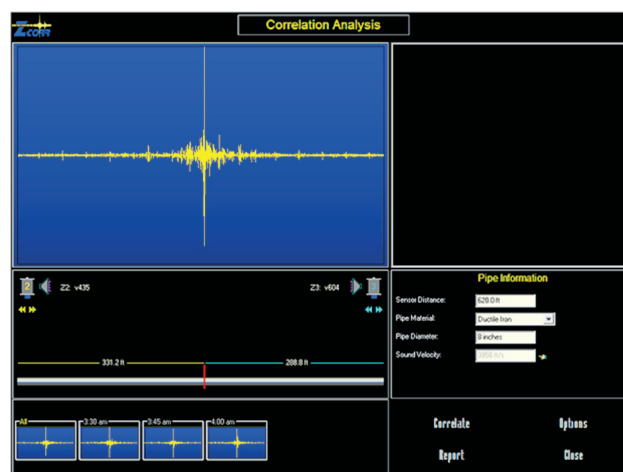
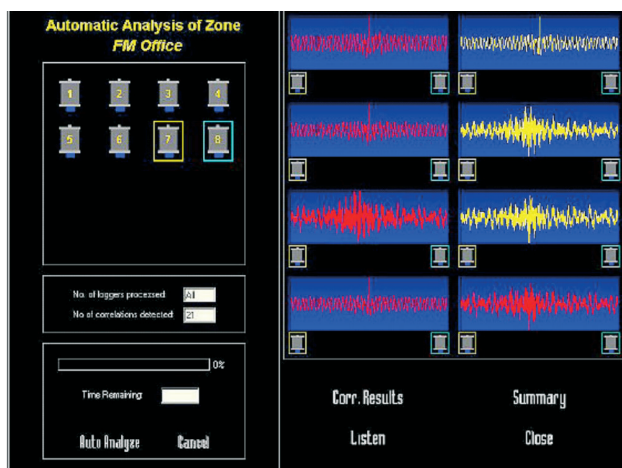
The automatic analysis begins.
Wait for the ZCorr automatic analysis to finish.

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To Pinpoint a Correlation

NOTE To pinpoint a correlation, select a thumbnail displayed in the **Automatic Analysis of Zone** that has a good correlation between two DCLs



1. Click on the desired DCL thumbnail to open the **Correlation Analysis** screen.
2. Enter the pipe information in the lower right side of the **Correlation Analysis** screen:
 - Sensor distance
 - Pipe material
 - Pipe diameter
3. Click **Correlate** in the lower right corner of the **Correlation Analysis** screen. The thumbnails at the bottom are the correlations for each of the recording times. The thumbnail with the yellow **All** at the left side is the combination of all of the recordings, and it is displayed on the main screen at the top.
4. The thumbnails to the right of the **All** thumbnail are the correlations for the different recording times. If the distances to the leak are exactly the same for all the recording times, then the data is probably very good. If the distances change for the different recording times, then a problem occurred. Perhaps a meter made noise nearby, a truck idled its engine nearby, etc.
5. The red line indicates the leak position. The leak's distance from each DCL is noted (in feet).
6. You may manually filter a correlation by clicking on **Options**.
7. De-select **ALPHA**. Select the desired filters and click **Close**.
8. Click **Correlate** to re-analyze the correlation with the newly set filters.

WARNING: The newly selected filters become the default. To return to the factory set default filters, select **Options > ALPHA** or exit and re-start the ZCorr program



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