

CDR 325 Watchlog Macro Procedure

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This technical notice shall be used to describe recommended steps to be used when viewing data from the CDR 325 "Watchlog" feature.

The "Watchlog" is a high-resolution log that is continuously logging data for future analysis. This a "circular" log that continues until reset. This log can be configured to record one channel of the three available. (No Temp channels)

The selections are:

1. Granularity: 1 second, for 9 hours of instrument memory.
2. Granularity: 2 second Average, for 18 hours of instrument memory.
3. Granularity: 4 second Average, for 36 hours of instrument memory.
4. Granularity: 8 second Average, for 72 hours of instrument memory.
5. Granularity: 16 second Average, for 144 hours of instrument memory.

If more than a 1 second interval is chosen, the recorded data will be averaged together to extend the total data available to view.

After the data is recorded, the Watchlog data can be downloaded directly from the instrument into your Microsoft Excel spreadsheet program. The Watchlog macro file (running in the background) makes it easy to generate a detailed graph.

The steps are as follows:

1. Locate the Watchlog Macro file for the Excel program you have on your computer:
 - a. For Excel 2000 & newer use filename: reynoldscdrmacro.xls
 - b. For Excel 97 use filename: reynoldscdrmacro97.xls
2. Run the file by double-clicking this file.
3. After the Excel file starts you may be asked to "Enable Macros" (Depending on the Excel macro security settings) Click the button to "Enable Macros". Note: To prevent this message every time you run this file, go to: (In the Excel menu) choose: Tools/ Macro/ Security, select "Low".
4. Minimize this file. Note: The file must remain open until you create the graph.
5. Go to the CDRhost program and select the Display column/ View Watchlog.
6. Select the "time span" and the "start" time to download. (Note: Not all data can be downloaded at one time, the time span to download ranges from 15 minutes to 6 hours).
7. The data will download and be presented in Excel.
8. Type: Ctrl+X to generate the graph.
9. You can save this file to print or email. (Note: You must save or close the "watchlog.csv" file as a different filename if a second download is needed). Warning: Do not "save" the "reynoldscdrmacro.xls" file after using it. Just close it without saving it.