

## 3M™ Know Your Air Software for the Multi-Gas Detector 950 Series – Downloading Data

- a) Turn on the 950 Series Detector. Position IR Port or Pod so that it may communicate with the IR window on the side of the 950 Series Detector; they should be about 3 to 6 inches (7.5 to 15cm) apart.
- b) From your desktop, open the 3M Know Your Air program.
- c) Press the *DataLog* button. Communications will be established between the 950 Series Detector and your PC. Data transfer will be completed automatically and new session files will be displayed.
  - a. **Note:** Once data logs have been transferred to the PC they are cleared from the 950 Series Detector's memory and are only accessible through the software system.
  - b. The downloaded data log session files are located in the detector's folder as identified by the Serial, Asset Number or User Name.

### VIEWING DATA LOG SESSIONS

Data Log sessions are stored in the folder or filing cabinet labeled *Survey Data* as seen in the *Data Set* screen. Click on the *Survey Data* folder to open folders or filing cabinets for each of the detectors. These may be arranged and identified by *Serial Number*, *Asset Number* or *User Name* according to which button is selected on the menu bar. Note that the Serial Number and Asset number are the same unless you have specifically assigned a different Asset Number designation to a specific 950 Series Detector.

Clicking on a *Serial Number*, *Asset Number* or *User Name* folder will open the data log session files associated with the particular detector or *User Name*. The new data log sessions that have just been downloaded are highlighted in yellow for rapid identification.

A graphical representation of the data log session may be seen by highlighting the session and pressing the *Graph* button. The title box identifies the detector Serial Number and starting time of the data logging session. If the sessions had been arranged by Asset Number or User Name, then these designations would appear in the title rather than the Serial Number. The menu buttons at the top of the graph toggle the various options ON or OFF. The Legend identifies the various curves being displayed.

Once a data session has been selected, selecting the *Data Grid* tab will display a table showing all of the data obtained during the data logging session. This includes:

- a) date and time stamp
- b) average Gas Levels
- c) Peak
- d) TWA
- e) STEL readings as appropriate.

Records highlighted in yellow indicate that alarm set points were exceeded during the sampling period; in this example, records were being collected every 15 seconds. The actual sensors detecting the alarm are highlighted in red.

**To export data from a session** from the 3M Know Your Air program for processing by third party software such as Microsoft Excel:

- a) select the session of interest
- b) choose *File--Export Data* on the main menu bar
- c) Define a name and location when prompted (for the file to be stored)

The data files are saved as \*.xls files at your defined location.

**To view the exported file**

- a) save your work
- a) launch Excel
- b) open the named file
- c) the first page of the spreadsheet contains the file Header Information while the second page has the session data.

**To generate an automated report** by the 3M Know Your Air program using standard report templates:

- a) highlight the session of interest
- b) press the *Report* tab.

The new screen offers a choice of three report styles.

In each case, the report may be exported to your word processing software for further customization or incorporation into alternative reporting formats. Clicking the *Edit Report* button initiates this process. Once you are using your word processing program, it is recommended that you save the report using an appropriate file name if you wish to access the modified report at some future time.

The *Session Basic* report provides a one page summary of the data logging session that includes your *Company Information* (from the Survey Data page), information on the User, Location, Detector Serial and Asset number, Calibration and Bump test records plus a table that summarizes the most critical parts of the data logging session.

This concludes the Know Your Air Software training. For more information consult the User Instructions packaged with the product or call 3M Technical Service at 1-800-243-4630.