

Corentium Report & Analysis

CRA SW v2.2

Quick Start Guide

2014-12-04

Installation of the software

1. Insert the memory stick into a USB computer port (do not connect the monitor to PC before installing software)
2. Run the setup.exe stored in the folder named CRA-SW of the memory stick and follow instructions prompted on the screen to install the program
3. Do not connect the monitor to PC before the SW has been installed. After the installation the monitor has to be connected before the SW is started for the first time

Using the software

The software has 6 main tabs:

<u>Load data</u>	Uploads data for generating plots and reports: <u>Load data from the monitor</u> for uploading data from the monitor, or <u>Load data from file</u> for using previously uploaded and stored data
<u>Plot</u>	Plots the temporal, weekly or daily average distribution of radon over the exposure period or shorter
<u>Report</u>	Generates reports and gives options for reporting
<u>Report template</u>	Generates templates for custom reports (for advanced users only)
<u>File details</u>	Details of the current loaded data
<u>Setup</u>	Chooses SW language and measurement unit

Load data from Monitor

1. Start the CRA software. Connect the monitor to the USB computer port with the USB cable. The Load data from the monitor button change from inactive to active. If the SW do not detect the USB connection, just take out the USB cable and re-insert it
2. Click Load data from the monitor. The loading should take approximately 20 seconds
3. After successful data loading, data has to be saved to a file. When selecting a filename it is automatically given the filename extension .cor

Tag information to the data file

At the upper right part of the Load data tab one can add tags to the data file, e.g. address etc.

Load an older measurement

In the pull-down list under the Load data from the monitor button one can choose the Load an older measurement from the monitor option and read older data sets stored in the monitor, i.e. data sets acquired prior to the last reset. The monitor can store 10 years of data with 1 hour resolution.

Load data from file

Use the Load data from file button to upload an existing data file (.cor) from PC.

Setting the temporal resolution of the data

1. Choose time resolution: Hour-by-hour plot or Day-by-day plot, or choose average week or day profile: Average week plot or Average day plot
2. Choose time period: Select time interval (the default is the total time interval of the uploaded data):
 - i. Define the time interval for averaging: start-time and end-time
 - ii. Define the time period of the day and the days of the week to be used for averaging
3. Using the Plot options button allows to put additional information into the plot, e.g. national action level, average radon levels, as well as additional sensor information, i.e. temperature, humidity, pressure

Generating report

1. Choose the Report tab
 - i. To be viewed in the web browser
 - ii. Directly stored as pdf file
2. Choose the appropriate report template under Report content options (for custom-made report templates use the Report template tab)
3. Choose time resolution for reporting under Report options
4. Click Generate report

