CRM-510LP Device Training

MODEL CRM-510

OFF

Device Training Course for NRPP Certification

Course Objectives



- What does the CRM-510LP test for?



- Understand the operation of CRM-510LP



- Learn how to create reports with the Rad-Lab app



- Understand extra sensor features

What is Radon?



Radon is an invisible, odorless, tasteless, radioactive gas.



It is the product of decaying uranium found in the soil, rocks, and water all around the world.



As a gas, it seeps into your home or business through any cracks or holes present in the building's foundation, or even through your well water.



Radon can also enter your home or business through gaps in suspended floors, gaps around service pipes, cavities inside walls, & construction joints.



Once it makes it inside your building it becomes trapped, subjecting all residents to exposure.

Why Test for Radon?

Radon is the second leading cause of lung cancer in the United States.

Most people do not know that their home has high levels of radon or that they should test for it.

Many people do not realize how harmful radon is.

The longer your exposure, the higher the risk to you.

This means if exposed continually starting at a young age, children are at a higher risk of lung cancer as they grow into adulthood.

EPA & Industry Protocols

- ANSI/AARST MAH-2023
 - Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes
- ANSI/AARST MA-MFLB-2023
 - Soil Gas Mitigation Standards for existing Multifamily, School, Commercial and Mixed-Use
 Buildings
- ANSI/AARST MS-QA-2023
 - Radon Measurement Systems Quality Assurance
- ANSI/AARST MS-PC-2022
 - Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air



Closed House Conditions & Placement

- All exterior doors and windows closed, except for normal entry and exit.
- Internal-external air exchange systems off.
 - Total internal recycle is allowed.
 - Combustion or make-up air must not be closed.
 - Permanent radon mitigation systems remain on.

Where Does the Device Go Within the Chosen Room? (All Protocols)

- Where it will not be disturbed.
- Away from drafts caused by heating, ventilating and air conditioning, exterior doors, fans, and windows.
- Away from heat and areas of high humidity.
- At least 50 cm or 20 inches from the floor.
- At least 10 cm or 4 inches from other objects.
- Not within 90 cm or 3 feet of exterior doors, windows, or other potential openings to the outside.
- Not within 30 cm or 12 inches of an exterior wall.



Ways to Prevent or Detect Tampering



A report generated from the continuous monitor data helps detect unusual measurement swings.



A motion detector built into the monitor will help to determine if the device was moved.



The monitor's environmental data can be paired with historical weather data using the RAD-LAB app.



Record room temperatures to assess the opening of windows.



Keyed security lock and passcode protection while test is running.

CRM-510LP Device Overview



Rugged Aluminum Chassis with Handle



Anti-Tamper Motion Detection



Long Battery Life (1 year)



Passive Diffusion Ion Chamber



192 Hours of Data Storage



24+ CPH/pCi/I



AARST-NRPP Approved CR-8444



Keyed Security Lock



Real-Time Radon Measurements

CRM-510LP Environmental Sensors

Radon

CO
(on LPCO models)

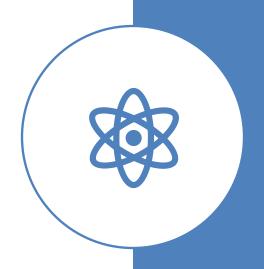
Temp

Humidity

Pressure

Radon Sensor

- Pulsed Ion Chamber fed via passive air diffusion
- Sensitivity: 24 cph/pCi/L | 96 cph @ 4 pCi/L
- ❖ Self Check
 - ❖ The CRM-510LP has a self test feature that is completed at the start of every test.
 - This feature physically pulses the lon Chamber to verify that everything is working exactly as expected.



Carbon Monoxide Sensor

Carbon monoxide is an odorless, colorless and toxic gas. Because it is impossible to see, taste or smell, CO can kill you before you are aware it is in your home. The effects of CO exposure can vary greatly from person to person depending on age, overall health and the concentration and length of exposure. Average levels in homes without gas stoves vary from 0.5 to 5 parts per million (ppm). Levels near properly adjusted gas stoves are often 5 to 15 ppm and those near poorly adjusted stoves may be 30 ppm or higher. The U.S. Environmental Protection Agency (EPA) strongly recommends taking further action when the average carbon monoxide level exceeds 9 ppm. Many questions you may have can be found in the EPA's publication "Carbon Monoxide's Impact on Indoor Air Quality".



Things to Avoid in the Test Environment

- Condensing humidity (moisture in the air can cling to the surfaces of electronics)
- Frequent vibrations (do not place on a washer/dryer or near something that could move the device)
- Wireless devices (place at least 10ft away from any wireless broadcasting device such as router/modem/radio transmitter) – these devices can cause interference when placed improperly



Self Test

- ❖ Are preformed on the CRM-510LP each time a test is started.
- The electrometer self check electronically injects pulses into the ionization chamber to verify that it is sensing and measuring radon correctly.
- ❖ If the Self Test fails, you will be notified on the screen of the monitor, so you know the test did not start.



Changing the Time on the CRM-510LP Instructions

First, there must be no test data in the unit. Test Data <u>must</u> be cleared before changing the time! (Be sure to print or download the data per printing instructions if you need data that is in the unit.)

To clear data: start a new test, waiting for the "SELF TEST ACTIVE" to complete and display "TEST STARTED!" Then, end the test by turning the key to OFF and pressing a button. The unit will display "TEST ENDED!" This will clear data from the unit.

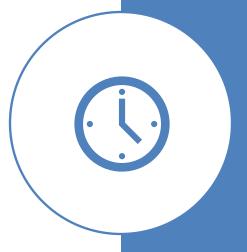
Next, turn the key to <u>I/O</u> and press the PRINT button. As soon as "No Data to Print" is displayed, turn the key to <u>RUN</u> position.

The Time will be displayed in Hours/Minutes format, example: 9:17.

Use the PRINT button to change hours and the I/O button to change minutes. Pressing each button will accomplish this (hours will roll over at 23 to 0) (minutes will roll over at 59 to 0).

When the correct time is set, turn the key to the OFF position right away. The new time is set!

To check correct time setting, start a test and verify correct time during start up.



Operating Procedure for CRM-510LP

Start Test

Action	Screen Shows
(1) Turn-key to RUN position	Blank
(2) Push the PRINT button once	RUN, then goes to: pCi/I, "Hg, °F, or Bq/M³, kPa, °C
(3) Push the PRINT button again	DATE 01/01/20 (current date)
(4) Push and release both buttons at the same time	TIME 14:06 (current time)
(5) At this time, the device goes into Self-Test Mode	SELF TEST ACTIVE
This process takes about 20 seconds. When the test passes, the screen shows:	PASSED SELF TEST TEST STARTED!
At this time, the test is running If the screen says:	Count 0
Turn the key to OFF and push a button Start again from the beginning. If the device fails a second time, call femto-TECH for guidance	SELF TEST FAILED

End Test

Action	Screen Shows
(1) Turn the key to the OFF position and push either of the buttons	TEST ENDED!

Note: Once you start a new test, the old data will be <u>CLEARED!</u>

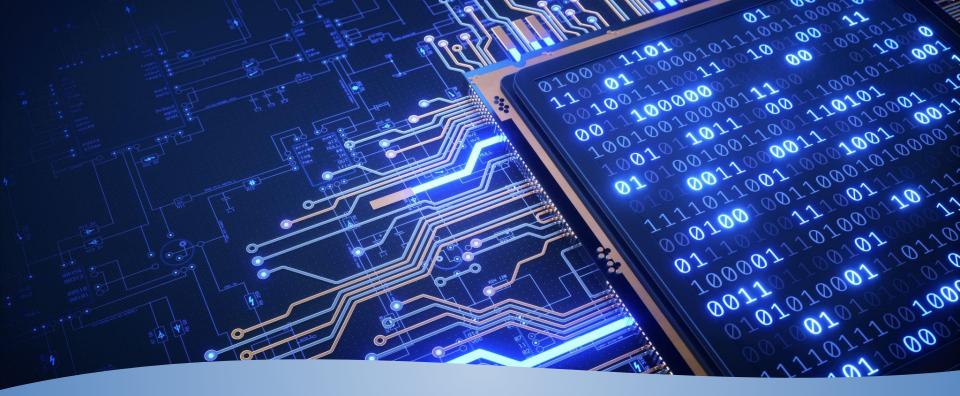
Operating Procedure for CRM-510LP (Continued)

Print Test Using DPU-201G or HPU-245 Thermal Printers

Action	Screen Shows
(1) Attach printer cable to device and printer	Blank
(2) Turn the key to I/O, turn printer on	Blank
(3) Press PRINT button once	TIME: xxxx min.
(4) Press PRINT button again	pCi/l "Hg, °F
(5) Press IO Button to select between TABLE or GRAPH printout. Press PRINT to select	TABLE GRAPH
(6) Press IO button to select between USE ALL or SKIP 12. Press PRINT to select	USE ALL DATE SKIP 1 st 12 HRS
(7) Press PRINT button and data will begin printing	
(8) Data may be printed again by repeating the above steps	

Note: If closed house conditions were not met and the test time was extended:

During step #6, press the I/O button and the screen will say (Skip 1st 12 hrs), then push PRINT. This will skip the first 12 hours of data, preventing it from being included in the final test average.



RAD-LAB
Software
Explanation of
Features &
Operation

RAD-LAB allows you to connect your femto-TECH CRM to the computer or mobile device of your choice to download and manage report data. This version of the software is our most feature-packed version to date, giving you the tools you need to analyze your protocol tests and customize/manage your report data with ease.

<u>Download Desktop App HERE</u>

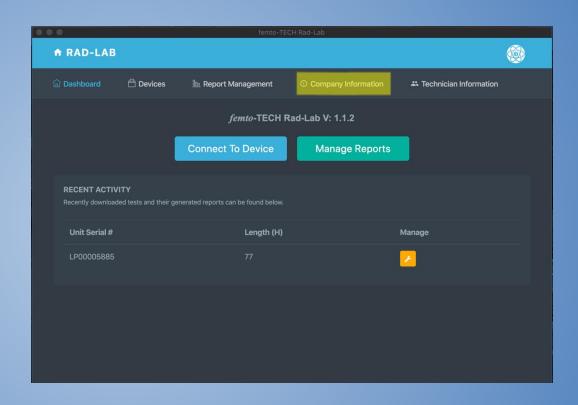
(Compatible with macOS and Windows)

Download Mobile App HERE

(Compatible with Android and iOS)

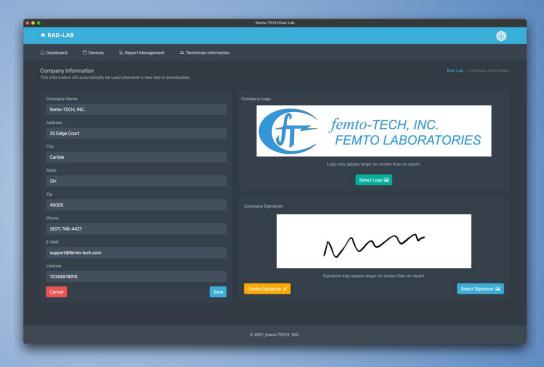
Getting Started

- First things first, click the 'Company Information' tab to edit/save your company's information and logo.
- Once saved, this information will automatically be added to each of your generated reports.



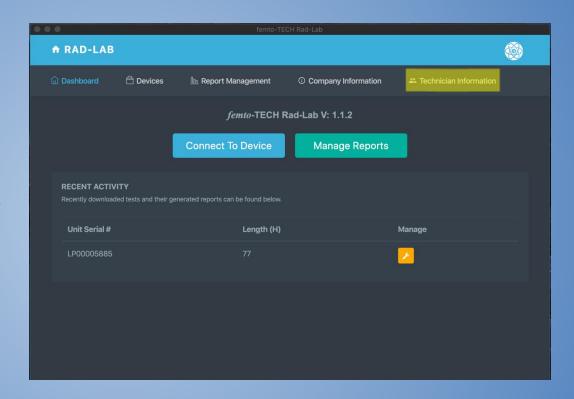
Company Information

- Enter your company's information to be automatically populated to each of your reports.
- Select your company's logo (optional) to be added to the top of each report.
- Create or add a signature to be added on each of your reports.



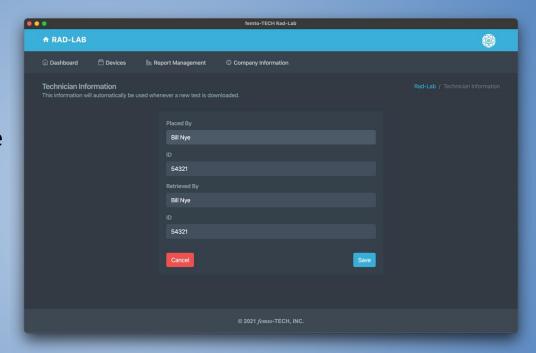
Getting Started (continued)

Next, click the 'Technician Information' tab to edit/save technician information



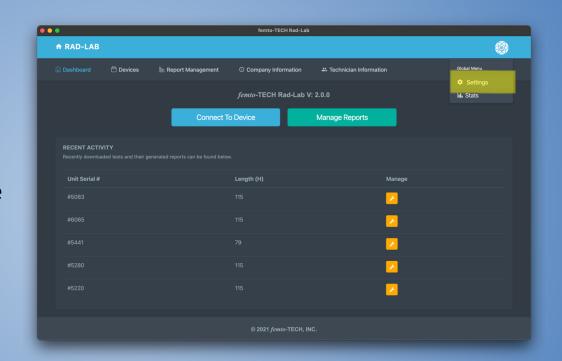
Technician Information

- Enter the name and ID of the technician(s) placing and retrieving the CRM that normally use the device.
- This information can also be changed on the report itself.



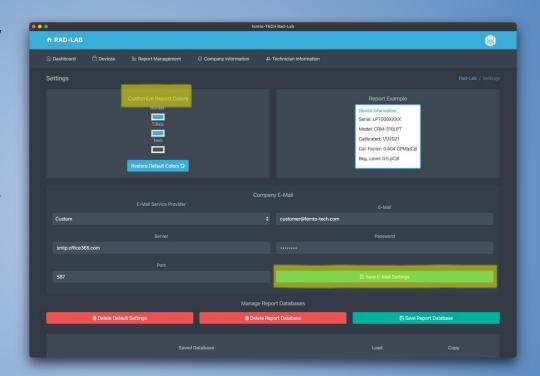
Getting Started (continued)

Next, click the 'Settings' tab within the global menu in the top-right (circular icon) to further customize your generated reports.



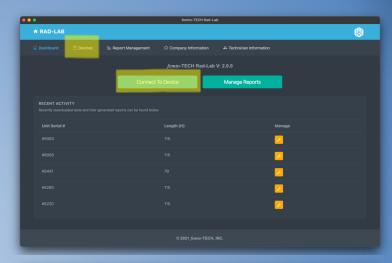
Customize Reports

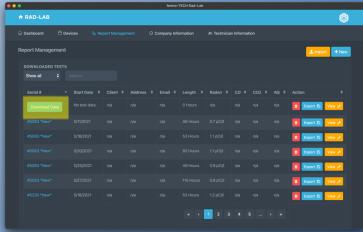
- Customize the colors on your reports by making color selections in the top-left.
- Configure a company e-mail to be used to send reports directly once generated. If your company has no e-mail available or is unable to get it to work, femto-TECH provides an alternative option under 'E-Mail Service Provider'. Select 'femto-TECH', and you will be able to send reports via customer@femto-tech.com. The Reply To address will be marked as your company's e-mail from the 'Company Information' section, that way your customer can reply directly to you.
- Company e-mail feature is optional. Most users prefer to save the report as a PDF and attach it to their own e-mail.



Download Data

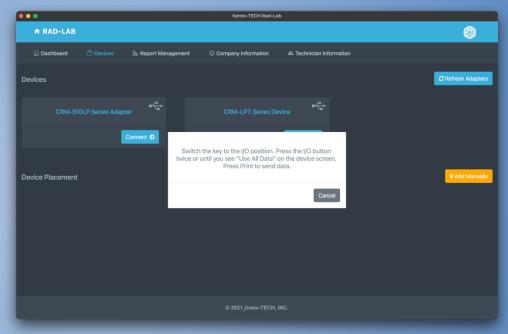
- Click either 'Devices' at the top left of the navigation bar or the 'Connect To Device' button on the Dashboard.
- Data can also be downloaded to a previously created test entry by clicking 'Download Data' on the entry within the Report Management table.





Download Data (Desktop)

- Plug the CRM-510LP into the computer using the provided download cable (USB-C cable), wake it up with the power button, and then click 'Refresh Adapters'.
- Click 'Connect ->' on the adapter displayed on the screen and then follow the on-screen instructions and select a test to download the data. Once the data has downloaded, a 'Download Complete!' message will appear and then take you to the 'Report Setup' screen.



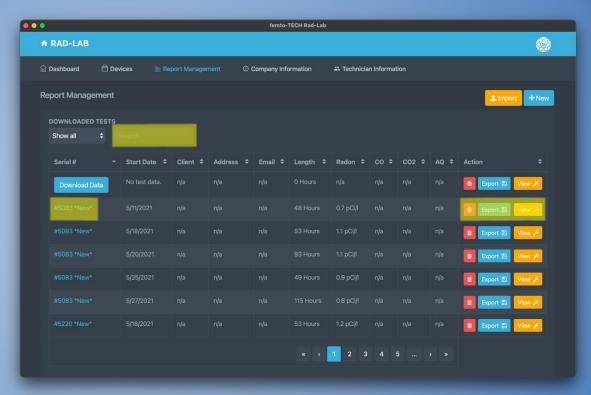
Download Data (Mobile)

- Plug the download cable into your mobile device and then into the back of the CRM-510LP.
- Click the 'Wired' button to connect to your monitor.
- Follow the on-screen instructions and select a test to download the data. Once the data has downloaded, a 'Download Complete!' message will appear and then take you to the 'Report Setup' screen.



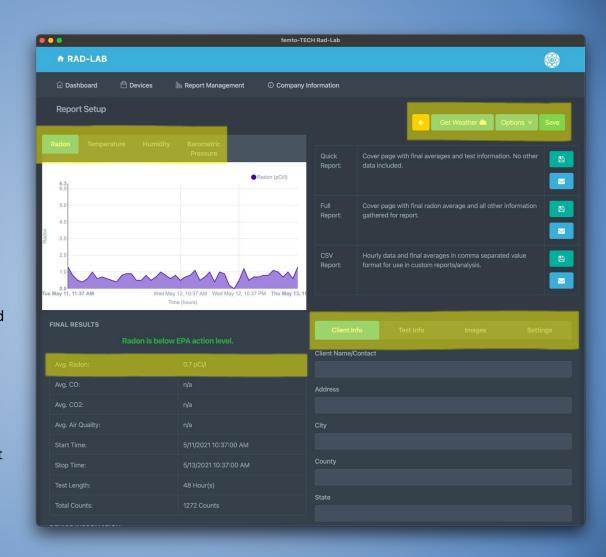
Report Management

- Use the search bar or table navigation menu to browse downloaded tests. Here you can edit, import/export, & delete existing tests.
- Click anywhere within the test entry on the table to expand it for more information.
- Click on the blue serial # of the entry or the 'View' button to load the test into the 'Report Setup' screen.



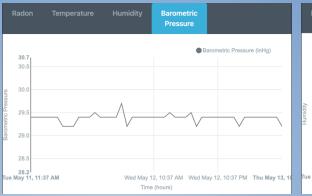
Report Management

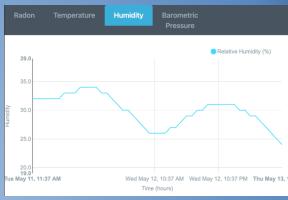
- Graphs plotted from the test data can be found in the top-left corner of the screen.
- Results of the test can be found in the table on the bottom-left of the screen.
- Hourly results can be read in table format via the button in the bottom-left corner below the 'Final Results' section.
- The test-specific options menu can be found at the top-right of the screen. From here, you can change the units of each measurement as well as specify a span of time in which you would like to report on within the test.
- The bottom-right section of the screen contains the report fields specific to the test being conducted. From here, you can add your customer's information, test-specific information, images pertaining to the conducted test, and signatures.
- Each section outlined on this slide will have a dedicated slide explaining its usage.

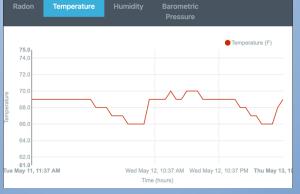


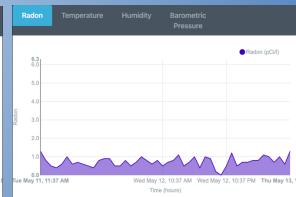
Report Setup (Graphing)

- Each graph can be viewed by clicking its respective tab.
- By hovering over the plots on each graph, you can view each hour's value and exact time of recording.
- Each graph is automatically adjusted/plotted whenever a specific range of hours is selected within the options menu (as seen on next slide).
- The graphs can be enlarged by either maximizing your app window or turning your mobile device horizontally.



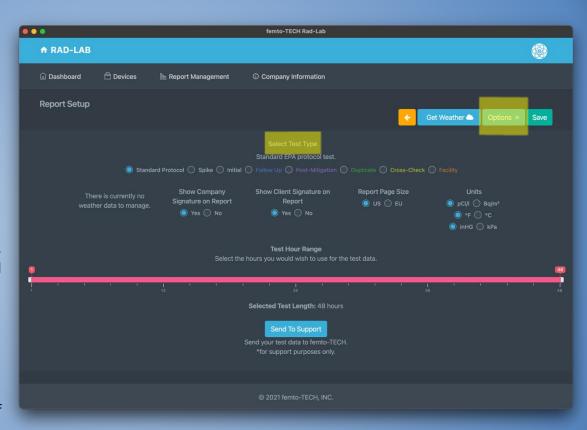






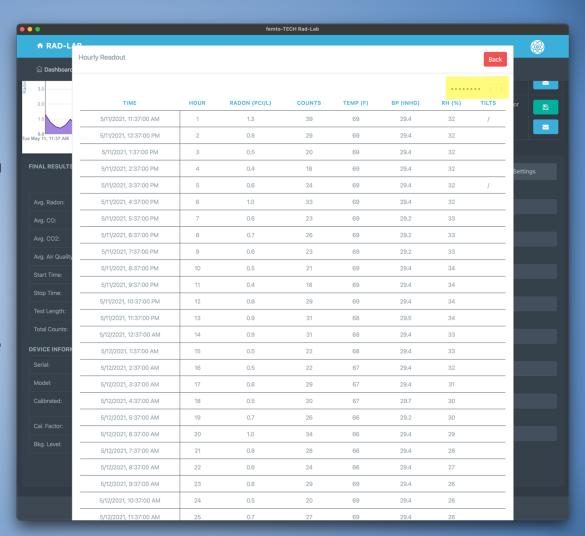
Report Setup (Options)

- Click the 'Options' button to drop-down the options menu for the test.
- From here, you can select the type of report you wish to generate. For most testing scenarios, the 'Standard Protocol' selection is adequate.
- Below 'Select Test Type', you have the option to show weather data acquired for the test, as well as the company and client signatures. (All default to 'Yes' when applicable).
- You can also change settings such as the report page size and the measurement units used for each field value and final average.
- Select a test hour range to customize the hours that are being measured/reported. This feature can be used to accommodate a lack of closed-house conditions by running a longer test and manually selecting the span of hours. *Notice* a minimum of 44 continuous hours are required per the EPA for protocol testing.
- Click the 'Options' button again to hide the menu and simultaneously save your changes.



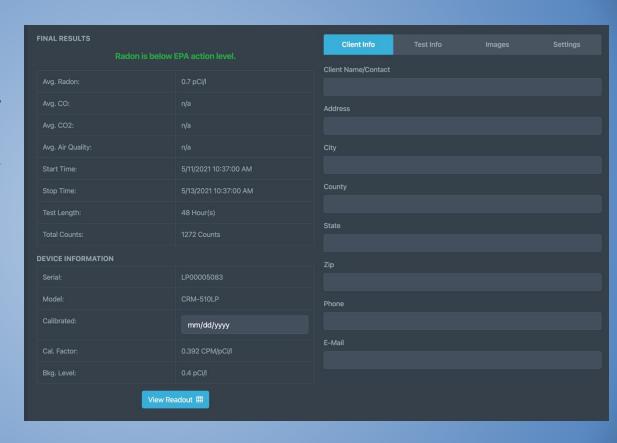
Report Setup (Hourly Readout)

- Click the 'View Readout' button in the bottom-left side of the window to view the hourly table readout for each measured value.
- If all columns are not showing on your screen, you can use the legend in the top-right of the table to navigate through the overflow columns.
- Click the 'Back' button to close the hourly table readout and return to the previous screen.



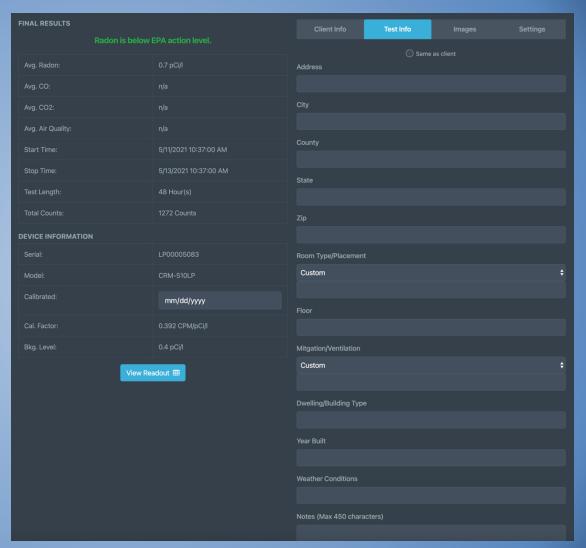
Report Setup (Client Information)

- Click the 'Client Information' tab to enter/edit the information of the customer having the test completed.
- These fields are used to populate the 'Full Report' as seen on the last slide of this show.



Report Setup (Test Information)

- Click the 'Test Information' tab to enter/edit any test-specific information.
- These fields are also used to populate the 'Full Report' as seen on the last slide of this show.
- Use the 'Same as client' button at the top to use the same address information as the client section.



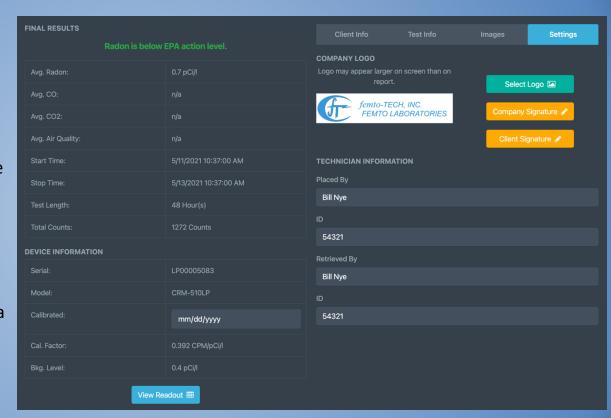
Report Setup (Report Images & Attachments)

- Click the 'Report Images' tab to add/take any images that are pertinent to the test being conducted.
- Once an image is added, you will have the option to add an image description.
- Each image and its accompanying description will automatically be added to your report once saved.
- Click Add Report Page to add a PDF or other report material to the Radon Report within its own dedicated page.



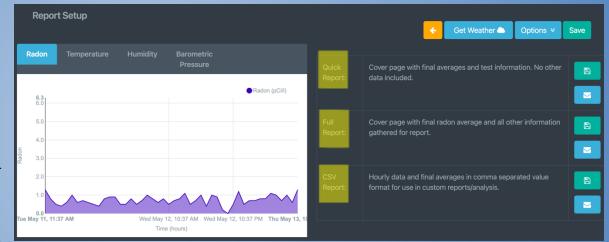
Report Setup (Report Settings)

- Click the 'Report Settings' tab to put the final touches on your generated report.
- Click the 'Select Logo' button to change the logo you would like to be added to the top of the report.
- Click 'Company Signature' to add/remove a signature for the person representing your company.
- Click 'Client Signature' to add/remove a signature for the customer acknowledging the completion of the test.
- The Technician Information can also be added/edited here in case that person were to change test-to-test.



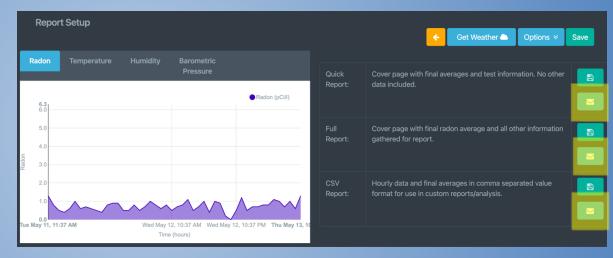
Report Setup (Generating Report)

- There are 3 types of reports that can be generated from your test data. (Quick, Full, & CSV Reports)
- Quick Cover page with final averages only. No other data included.
- Full Cover page with final test averages and all other information gathered for report.
- CSV Hourly data and final averages in comma separated value format for use in custom reports/analysis.
- Mobile Only Report can be shared/sent via your preferred method (email, message, other 3rd party apps) by clicking their respective 'Share' buttons.
- Mobile Only Report can be printed directly to a networked printer if the printer has already been installed for use on your phone and you are connected to the same network.
- Mobile Only Report can be printed directly to a supported BLE thermal printer from within the 'Settings tab' on your mobile device.



Report Setup (Sharing via E-mail)

Click the button containing the mail icon for either of the 3 reports to generate and immediately share via e-mail. You can customize the e-mail that is sent and then save it as a template to be used for future emails. *Notice* - a valid e-mail account must be used for this feature to work properly. If you lack a valid email or cannot get yours to work, femto-TECH provides a free option that can be found in the global settings menu. Select 'femto-TECH' as the email provider and be sure you have an e-mail configured in your company information for it to work properly.



Tamper Detection

- Each CRM-510LP is equipped with a tilt sensor that logs movement within the hour of detection (logs to graph and hourly readout).
- Along with the tilt sensor, the CRM-510LP also measures temperature, humidity, and barometric pressure – all of which can be used for tamper detection.
- As you can see on the graphs to the right, there is clear indication of tampering occurring in this test due to the tilt indicators and sudden changes seen within those hours. Based on these indicators, it is also evident that this tampering has had a direct effect on the measured radon.



Data Interference

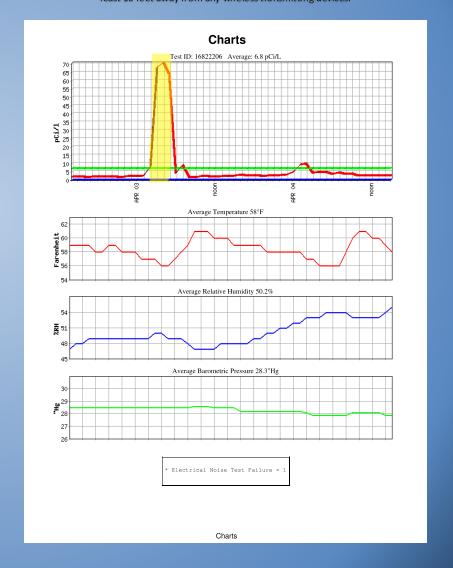
Condensing Humidity

Notice the sudden drop in temperature and rise in humidity at the start of the test. The average temperature and humidity are conducive to an environment in which condensing humidity can occur. With these conditions it is possible for the electrometer to 'run away'.

Charts Test ID: 16830344 Average: 64.5 pCi/L 100 Average Temperature 67°F Average Relative Humidity 83.6% Average Barometric Pressure 29.5"Hg Average pCi/l is > 20.0 pCi/l * Electrical Noise Test Failure = Charts

EMF

It is possible to overwhelm the electrometer on the CRM-510LP if it is placed near high-powered radio equipment such as modems/routers/cellular devices. Make sure to place your CRM at least 10 feet away from any wireless transmitting devices.



Declaration of Voluntary Compliance Example

DECLARATION OF VOLUNTARY COMPLIANCE

RADON INSPECTION DECLARATION OF VOLUNTARY COMPLIANCE

As the responsible party for the test location listed below, I hereby acknowledge receipt of the EPA's "Home Buyer's and Seller's Guide to Radon". I further understand that potential purchasers and/or lenders will be making important decisions pending the outcome of this test. Given this information I hereby certify that:

(1) I agree to keep this house closed (except for normal entry and exit) for approximately _____ hours prior to the start of the test. (NOTE: Minimum of 12 hours needed)

(2) I agree to keep all doors and windows shut during the entire test period except for normal entry and exit.

(3) I will not knowingly alter the test environment in any way including, but not limited to, raising or lowering the thermostat(s) or changing HVAC fan controls.

(4) I will not tamper with, remove or change the location of the test device(s).

(5) I will report any circumstances that occur during the test that may influence the final results.

(6) If I have any questions about the test I will contact the testing firm immediately.

TEST ADDRESS

Occupant		Occupant or Responsib	le Party
Address			Date
City		Technician	
State	Zip		Date





Post-Test Recommendations

Test result is 4.0 pCi/L or greater

- . Fix the building if the test result indicates occupants may be exposed to radon concentrations that meet or exceed the EPA action level of 4.0 pCi/L.
- Efforts to reduce radon concentrations are not complete until a retest provides evidence of effectiveness.
 - Complete a short-term radon test between 24 hours and 30 days after the installation of a mitigation system. Retest every 2 years to ensure the system remains effective.

Test result is between 2.0 and 4.0 pCi/L

- Consider fixing the building if the test result indicates radon levels greater than half the action level.
- . Tests conducted when heating systems are active both day and night are more likely to provide a clear characterization of potential radon hazards.

When to Retest

- Retest every 5 years if NO mitigation system is installed.
- . Retest in conjunction with the sale of any new or existing buildings.
- Be certain to test again if and when any of the following circumstances occur:
- · A new addition is constructed or alterations for building rehab or reconfiguration occur.
- A ground contact area not previously tested is occupied, or a home is newly occupied.
- Heating and cooling systems are significantly altered.
- procedures.
- Ventilation is significantly altered by extensive weatherization, changes to mechanical systems or comparable
- Significant openings to the soil occur due to:
 - Groundwater or slab surface water control systems that are altered or added (ex. sumps, perimeter drain tile, shower/tub retrofits).
- Natural settlement causing major cracks to develop.
- · Earthquakes, construction blasting, or formation of sink holes nearby.
- · A mitigation system is altered, modified, or repaired.

State Radon Information



TIME	HOUR	RADON (PCIJL)	COUNTS	TEMP (F)	BP (INHG)	RH(N)	TILTS
8/1/23, 1014 AM	1	7.9	176	63	29.8	23	
6/1/23, 11:14 AM	2	72	160	68	29.6	45	
6/1/23, 12:14 PM	8	6.1	189	72	29.7	58	
8/1/23, 1:14 PM	4	4.6	105	76	225	58	
6/1/23, 2:14 PM	5	2.9	60	78	28.2	45	
6/1/23, 3:14 PM	6	1.0	30	80	25:1	23	
6/1/23, 4/14 PM	7	2.9	an	80	29.1	23	
6/1/23, 5:14 PM	8	4.6	105	78	28.2	45	
6/1(23, 6:14 PM	9	6.1	136	76	29.5	58	- 7
5/1/23, 7:14 PM	10	7.2	160	72	28.7	58	
6/1/23, 8:14 PM	11	7.9	178	68	298	45	
G/1(23, 9:14 PM	12	8.2	180	63	29.8	23	
8/1/23, 10:14 PM	13	7.9	176	63	29.8	23	
6/1/23, 11:14 PM	14	7.2	163	68	298	45	
6)2/23, 12/14 AM	16	0.1	136	72	28.7	6.8	
6/2/23, 1/14 AM	16	4.6	105	76	23.5	58	
8/2/23, 2:14 AM	17	2.9	99	78	29.2	45	
6/2/23, 3:14 AM	18	1.0	30	80	28.1	23	
5/2/23, 414 AM	19	2.9	69	80	29.1	23	
8/2/23, 514 AM	20	4.6	105	78	29.2	45	
8/2/23, 614 AM	21	6.1	136	76	28.5	58	7
G/2/23, 7:14 AM	22	72	160	72	29.7	58	
6/2/23, 8:14 AM	23	7.9	175	68	29.6	45	
8/2/13, 9/14 AM	24	8.2	180	63	298	23	
6/2/23, 10:14 AM	20	79	170	63	29.8	23	
5/2/23, 11:14 AM	26	7.2	160	62	22.6	45	
6/2/23, 12:14 PM	27	6.1	136	72	287	58	
6(2)(23, 1:14 PM	28	4.6	105	76	29.5	68	
6/2/23, 2:14 PM	29	2.9	65	78	29.2	45	
8/2/23, 3:14 PM	90	10	30	80	29.1	23	
6/2/23, 4:14 FM	31	2.9	69	80	29.1	23	
6/2/23, G:14 PM	92	4.6	103	78	21.2	45	
8/2/23, 6:14 PM	33	6.1	136	76	225	58	7
6/2/23, 7.14 PM	34	72	160	72	28.7	58	
0/2/23, 8:14 PM	30	7.9	170	68	29.6	45	
6/2/23, 9 14 PM	50	6.2	180	93	23.6	23	

Device QA Log Example

Report Issued By:	License/certification #	Date:
Radon Test Log		
Serial Number	Calibration / bac	ekground date:
(1) Date: Address Average Radon level pCi/l		Zip:
(2) Date: Address Average Radon level pCi/l		Zip:
(3) Date: Address Average Radon level pCi/l		Zip:
(4) Date: Address Average Radon level pCi/l		Zip:
(5) Date: Address Average Radon level pCi/l		Zip:
(6) Date: Address Average Radon level pCi/l		Zip:
(7) Date: Address Average Radon level pCi/l		Zip:
(8) Date: Address Average Radon level pCi/l		Zip:
(9) Date: Address Address PCi/l		Zip:
*** Instrument Measurement Check Data:		
Date: Location		
Average Radon level pCi/l		
Test Device used to compare: Serial#	Calibration date	
Average Radon level nCi/l	COV =	

Environmental Interference

- Avoid areas with condensing humidity
- Keep away from strong EM sources (Wi-Fi, routers, radio transmitters)
- The array of sensors included in the CRM-510LP help to isolate and display potential interference caused by the surrounding environment.
- The CRM-510LP is designed to work at <u>any</u> traversable elevation. (from mines to mountains)
- CRM-510LP Operating Humidity & Temperature:
 - 0-90% non-condensing & 50-104°F

Calibration & QA

- Calibration information visible on calibration sticker
- Calibration factor is stored within the device and set by manufacturer (cannot be tampered with)
- Quality Assurance reduces the risk of error and ensures reliable results
- CRM-510LP is to be calibrated annually by an approved calibration lab.

Approved Calibration Facilities for the CRM-510LP:
femto-TECH
Bowser Morner

UKHSA

<u>Click here for more information about our radon calibration services</u>

Click here to download a Quality Assurance Plan (QAP) for your CRM

Battery & Charging

- Battery life rated for 1 year
- Batteries are replaced during background and calibration servicing.
- No need to recharge or carry additional cords/equipment.

Handling & Storage

- Use protective case resistant to water
- Avoid car storage let device acclimate to test volume before starting a test if it has been sitting in a hot/cold car to prevent condensation on surfaces of device
- Designed for long life and daily use

Radon Concentration Calculation

Although the built-in computer normally performs all the computations and provides the radon concentration data in pCi/l or Bq/m3, it is advisable for the operator to know how to carry out "hand" calculations. A back-up "hand" calculation should be carried out after entering a new calibration factor or background value to verify their correct entry.

To perform a "hand" calculation, record the number of counts accumulated and the elapsed time shown on the LCD display, convert to counts per minute, and apply the conversion factor (C.F.) and background (BKG) values supplied with the instrument to obtain the radon level in units of pCi/l. The following formula is used for this conversion:

Rewritten:

The background subtraction is generally only necessary for radon levels below 10 pCi/l. The backgrounds of femto-TECH calibrated devices are determined from aged air measurements. The background does not vary significantly with time nor from unit to unit, because the pulsed ion counter detector and open grid chamber discriminates against all ionizing radiation other than airborne alpha.

A a sample calculation:

Training Complete!

Congratulations on completing CRM-510LP device training!

